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Lancaster Farming

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Agway to Build at Elizabethtown

Agway, Inc has purchased land in the Elizabethtown area for construction of a modern multi-million dollar warehouse and distribution center to serve parts of four states

The new center is expected to be in operation within two years and will replace several smaller facilities now in operation, including the Spring Garden facility in York County

Spring Garden and the other facilities, however will not be phased out until the new structure is in operation at Elizabethtown, according to Willis Esbenshade, one of 18 Agway directors and the only one from Lancaster County

The new structure is to be started soon on a 10 acre parcel of ground, part of a larger tract owned by Agway. When completed the new facility will cover nearly nine acres of ground under roof, according to Esbenshade

Esbenshade described the new $2.2 million facility as a "wholesale distribution center for this area." The area includes parts of the states of New Jersey, Delaware, Pennsylvania and Maryland

The new facility is one of three being built by Agway to modernize its distribution system. The first of the three buildings is already in operation at Geneva, New York

The Agway board of directors has already approved land purchases for both the Elizabethtown and Westfield, Massachusetts centers

The new Geneva plant is reported by company officials as "functioning quite smoothly" after several months of shakedown operation

Esbenshade noted that company figures project a savings of nearly half a million dollars a year over current operations when all three new buildings are in operation

Esbenshade described primary advantages of the new facilities, including the new structure at

(Continued on Page 10)

Amos Sauder, Manheim RD1, left, had the top FFA corn entry, while Dennis Rohrer, Lititz RD2, right, had the best filler tobacco entry in the annual FFA competition this week.

In the Farm Show Issue

This is the Farm Show Issue!

Besides page one articles, highlighted by the county tobacco show and Agway's plans for a new distribution center at Elizabethtown, the issue includes

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And many other farm news stories and features throughout the Farm Show Issue.

Lancaster County Tobacco Show Report

The annual FFA county corn and tobacco show and the adult tobacco show were held at the Farm and Home Center Thursday.

FFA winners were Amos Sauder, Manheim RD1, first in corn competition; Dennis H. Rohrer, Lititz RD2, first in-filler tobacco, and Jay Bauman, Washington Boro RD1, first in wrapper tobacco Bauman was also named overall grand champion in FFA tobacco.

Bauman is a student at Penn Manor High School, while Sauder and Rohrer are students at Manheim Central High School

In the adult competition, judging involved six classes in three categories of tobacco — wrapper, binder and filler.

Winners by categories were

Binder — Roy M Rohrer, Strasburg RD1, who was judged first in both long and short binder

Filler — Dale Rohrer, Lititz RD2, with long filler over 26 inches, over Witmer J. Rohrer, Strasburg RD1, who was first in short filler under 26 inches.

Wrapper — Elmer Boyd, Ephrata RD1, long wrapper, over Eugene M Rohrer, Strasburg RD1, who was judged first in short wrapper under 26 inches

Others placing in the top five in each of the three FFA and six adult classes were as follows.

FFA corn — Ted Huber, Millersville, second, Eugene Bollinger, Denver RD2, third; Greg Landis, Lancaster RD6, fourth, and Cliff Charles, Millersville, fifth.

FFA wrapper tobacco—Clyde Erb, Columbia RD2, second, Donald S. Wenger, Manheim RD2, third, Clark Stauffer, Ephrata, RD1, fourth, and Kenneth Groff, 37 Quarry Road, Leola, fifth.

FFA filler tobacco — Sam Trupe, East Earl RD1, second, Douglas Rohrer, Lititz RD2,

(Continued on Page 8)

Elmer Boyd, Ephrata RD1, shows the long wrapper tobacco which won him a first place in the wrapper category in the annual tobacco show Thursday at the Farm and Home Center. Boyd, who just turned 60, noted he has been growing tobacco since he was 14 years old. He had about five acres this year, but lost one acre when Middle Creek overflowed during the summer's heavy rains. (Boyd's 12-year-old son, Kerry, won the 4-H corn contest last week. See story on page 29.)

Farmers Can Up Wheat Benefits Under ASCS

The Lancaster County ASC Committee is now establishing wheat yields for use under the 1971 wheat programs

According to Miss Dorothy Neel, ASCS County Executive Director, farmers have the opportunity to establish yields based on actual wheat production rather than the now established projected yields.

Farmers electing to furnish proof of wheat production and harvested acreage must do so, however, prior to official notification of 1971 bases, allotments, and yields, which will be mailed in February.

Base period for proven yields is 1967, 1968, and 1969 The farm must have had a wheat allotment and harvested wheat acreage in all three years of the base period, Miss Neel said

She explained that for the farmer this means: if the farmer's 1967-69 average yield is higher than the established yield now on record in the ASCS office, he would be eligible to have his base figure increased to the 1967-69 average figure. This would make him ineligible for higher payments under the 1971 wheat program.

Farm Calendar

Monday, January 11

Pennsylvania State Farm Show, January 11-15.

Fulton Grange 66 meeting

Saturday, January 16

7 30 p m — Lancaster County Pomona Grange Dinner Meeting, Rhoads Spanish Restaurant, Quarryville

Weight Watcher Course To Begin January 19

Do you, like everyone else, have the desire to cut down on specific foods and lose weight?

How about joining a course being offered at the Farm and Home Center by the Lancaster County Extension Service, asks Miss Joan D. Lucas, assistant Extension home economist.

The "Lose Those Extra Pounds" course starts January 19 at 1.30 p.m. and will meet every Tuesday for six weeks at 1 30 p m. until February 23.

"By the end of six weeks if you are faithful," promises Miss Lucas, "you'll walk away feeling and looking better. See you January 19, 1 30 p m at the Farm and Home Center"

This Is Our Annual Farm Show Issue

Local Livestock Market and Auction Reports

Lancaster Auction

Wednesday, January 6

	Cattle	Calves	Hogs	Sheep
Today	1113	140	579	25
Last wk	695	105	218	3
Last yr	682	113	288	2
This wks auction	997	129	581	25
Last wks auction	691	114	216	6

CATTLE — Compared to last Wednesday, Slaughter Steers 25 50 higher, Cows 75-1 50 higher, Bulls fully steady, with Utility and Commercial 50-75 higher

SLAUGHTER STEERS—Few high-Choice and Prime 1025-1250 lbs 29 00-29 35, Choice 950-1300 lbs 28 35-29 25, 1300-1425 lbs 27 25-28 50, few 1425-1550 lbs 26 35-27 60, high-Good and low-Choice 27 00-28 60, Good 26 00-28 00, Standard and low Good 24 75-27 00

SLAUGHTER HEIFERS — Choice 700 850 lbs 26 00-28 10, few 28 50-29 60

COWS—Utility and high-dressing Cutter 20 50-22 50, few 22 60-22 75, Cutter 19 75-21 25, Canner and low-Cutter 17 75-19 75

BULLS — Choice 29 00-30 00, Good 26 50-29 00, Utility and Commercial 28 50-31 00, several 31 00-31 60

VEAL CALVES—Vealers fully steady

VEALERS — Choice 54 00-59 00, Good 50 50 53 50, Standard 44.00 51 00, Utility 34 00 49 00

HOGS — Barrows and Gilts mostly steady

BARROWS AND GILTS — US 1-2 210-230 lbs 18 00-18 25, US 1-3 200-240 lbs 17 00-17 50

SHEEP Wooled Lambs fully steady

WOOLED LAMBS — One lot Choice 100 lbs 26 75 couple lots Good 90-100 lbs 22 50-24 25

Lebanon Valley Auction

Tuesday, January 5

332 Head of Cattle

Steers Choice (few), 28 75-30.10 Good, 27 00-29.35, Standard, 25 85-27 00, Utility (few), 24 50-25 00

Heifers Choice (few), 27 85-30 00 Good (few), 26 50-27 50; Utility (few), 22 25-23 85

Cows Utility (individual), 20 75-22 10, Cutter, 20 25-21 00; Canner, 18 50-20 50, Shells down to 17 00

Bulls Good (few), 27 85 30 85 Utility and Commercial, 27 60-29 85

233 Head of Veal Calves

Choice (few), 51 00-57 00; Good, 50 00 53 50 Standard, 46 50-49 00, Utility 38 00-44 00, Culls 90-120 pounds, 25 50-37 00, Culls 70-85 pounds, 20 00-25 00, Farm Calves 80-110 pounds, 30 00-35 00

221 Head of Hogs

Barrows and Gilts U S 1-2 190-240 pounds, 17 75, U S 2-3 190-250 pounds, 17 10 7 50, U S 2 4 155-180 pounds 14 00-16 35

Sows U S 2 3 300 600 pounds, 10 70-12 00

Boars 10 25-11 50

12 Head of Sheep and Lambs

Good 70 85 pounds (few) 25 00

Try A Classified — It Pays!

Lancaster Market

Monday, January 4

	Cattle	Calves	Hogs	Sheep
Today	468	187	772	270
Last wk	412	208	1116	214
Last yr	399	351	574	203

CATTLE — Slaughter Steers scarce, small supply strong to 50 higher; Cows not established, Bulls fully steady.

SLAUGHTER STEERS—Load average to high-Choice 1230 lbs 29 25, couple lots mixed-Good and Choice 1100-1175 lbs 28 50-28 75

BULLS — Choice 28 75-29 50, Good 27 50-29 00, Utility and Commercial 28 00-29 50, few head 31 50-32 00

VEAL CALVES — Vealers strong to 1 00 higher, although Cull only steady

VEALERS—Choice 54 00-57 00, Good 49 00-54 00, Standard 42 50 49 00, Utility 34 00-42 50, Cull 90-120 lbs 27 00-32 00, 65-85 lbs. 24 00-28 00

HOGS — Barrows and Gilts 50-1 00 higher, Sows scarce

BARROWS AND GILTS—US 1 200-240 lbs 18 50-19 00, US 1-2 195-245 lbs 17 25-18 00, US 2-3 190-250 lbs 16 75-17 50, US 2-3 250-265 lbs 16 00-17 00

SHEEP—Wooled Lambs 50-1 00 higher, Ewes fully steady, Bulk of Lamb supply carrying wet fleeces

WOOLED LAMBS — Choice 65-95 lbs 26 50-27 50, Good 24 00-26 50, Utility 22 00-24 00

SLAUGHTER EWES—Utility and Good 4 00-10 00

Local Grain

Thursday, January 7

These prices are made up of the average prices quoted by six participating local feed and grain concerns It should be noted however, that not every dealer handles each commodity. All prices are per bushel, except for ear corn which is per ton.

The average local grain prices quoted Thursday, January 7, 1971, are as follows.

	Bid	Offered*
Ear Corn	36 00	43 00
Shelled Corn	1.68	1 90
Oats	89	99
Barley	1.28	1.44
Wheat	1 70	1.88

*Bid is the price the dealer will buy from the farmer delivered to the mill. Offered is the price the dealer will sell for at his mill.

Green Dragon Hay Market

Friday, January 1

Nothing to report due to severe weather conditions

Composite Report

Friday Weekly, January 8

Lancaster Terminal, Vintage, Lancaster and New Holland Auctions

	Cattle	Calves
This week	3700	1400
Last week	2564	1224
Last year	3145	1397

CATTLE — Slaughter Steers 25-50 higher, instances 1 00 higher on weights over 1250 lbs. Cows 25-75 higher, extremes 1 50 higher, Bulls fully steady, with Utility and Commercial over 1500 lbs 1 00 higher Supply included an estimated 50 percent Slaughter Steers, 30 per cent Cows, 10 percent Bulls, with the balance mainly Feeder Steers

SLAUGHTER STEERS—Few high-Choice and Prime 950-1300 lbs 29 00-30 60, six head 31 10 31 85, Choice 925 1300 lbs 28 25 30 00, 1300-1425 lbs 27 25 28 00 few 1425-1550 lbs. 26 35-27 60, high-Good and low-Choice 27 25 28 75, Good 26 00-28 00, Standard and low-Good 24 50 27 00

SLAUGHTER HEIFERS — Choice 700-950 lbs 25 00-28 10, few 28 50-29 60

COWS — Utility and high-dressing Cutter 20 00-22.00, few 22 00-23 00, Cutter 18 75-21 00, Canner and low-Cutter 17 50 19 00.

BULLS — Choice 29 00-31 00, few 31 25-32 75, Good 26 50-29 00, Utility and Commercial 27 50-21 00, with around 25 head 31 00-32 25

VEAL CALVES — Vealers strong to 1 00 higher, large share of the 90-120 lbs Calves returned to farm

VEALERS — Choice 54 00-57 50, few 57 50-59 00 Good 50 00-54 50, Standard 43 00 51 00, Utility 34 00-43 00, Cull 90-120 lbs 27 00-32 00, 65-85 lbs 21 00-28 00

CALVES RETURNED TO FARM—Bulk 90-120 lbs 34 00-44 00, several 44 00-49 00.

HAY PRICES

For Southeastern and South Central Pennsylvania

Monday, January 4

All hay No. 2 and better prices paid by dealers at the farm, price per ton

Hay & straw steady

Alfalfa	32 00-40 00
	few sales to 45 00
Timothy hay	22 00-33 00
Mixed hay	24 00-25 00
Straw	28 00-40 00
Mulch	16 00-26 00

Reported by Bureau of Markets Pa. Dept of Agriculture

Vintage Auction

Tuesday, January 5

	Cattle	Calves	Hogs	Sheep
Today	900	588	585	18
Last wk	899	610	534	49
Last yr	819	551	319	3

CATTLE — Compared to last Tuesday, Slaughter Steers 25-50 higher with weights over 1250 lbs fully 50 instances 1 00 higher, Cows 25 50 higher, Bulls mostly steady Supply included 34 percent Cows

SLAUGHTER STEERS—High Choice and Prime 950-1300 lbs 29 75-30 35, Choice 950-1200 lbs 29 50-30 00, 1200-1450 lbs 27 60 29 60 high-Good and low-Choice 27 60-28 75, Good 26 00-28 00, Standard and low-Good 24 50 26 50

COWS — Utility and high-dressing Cutter 20 00-21 85, few 22 00-22 75, Cutter 18 75-20 75, Canner and low-Cutter 17 50 19 00

BULLS — Choice 28 85 30 00, few 31 25 31 75, Good 27 25-29 00, Utility and Commercial 27 50-29 50, eight head 31 00-32 00

VEAL CALVES — Vealers 1 00-2 00 higher, bulk of the 90-120 lbs Calves returned to farm

VEALERS — Choice 54 00-57 50, couple 59 00, Good 50 00-55 00, Standard 45 00-50.00 Utility 37 00 46 00

CALVES RETURNED TO FARM—Bulk 90-120 lbs 36 00-44 00, several 44 00-49 00

HOGS—Barrows and Gilts unevenly steady

BARROWS AND GILTS—US 1 200-235 lbs 17 60-18 00, US 1-2 190-240 lbs 17 00-17 50; US 2-3 190-240 lbs 16 50-17 00; 240-260 lbs 16 00-16 50, US 2 170-190 lbs 15 25-16 00

SHEEP — Market not reported.

Fat Hogs and Feeder Pig Sale

Saturday, January 2

HOGS 538 Barrows & Gilts Fully 50c lower US No 1-2 205-230 lbs 17 50-18 35, US No 2-3 190-250 lbs 17 00-17 35, US No 2-4 220-250 lbs 16 50-17 00, US No 3-4 250-275 lbs 15 60 16 00 US No 2-4 150-180 lbs. 14 00-16 25

SOWS. US No 1-3 300-600 lbs 9 25-13 25

BOARS 11.25-11 60

New Holland Auction

Thursday, January 7

CATTLE 789 — Slaughter steers active with best demand on small supply Choice and Prime 950-1200 lb, cows moderately active with closing sales strong; Bulls active with best demand on Utility and Commercial over 1500 lbs Supply included 44 percent cows.

SLAUGHTER STEERS — Small supply high Choice and Prime 950-1250 lb 29 50-30 60, six head 31 10 31 85; Choice 915-1325 lb 28 25-30.00, high Good and low Choice 27 50-28.50; Good 26 00-28 00, Standard and low Good 24.75-26 00

SLAUGHTER HEIFERS — Choice 700-950 lb. 25.00-27 75

COWS — Utility and high dressing Cutter 19 75-22 00; few 22 00-23 00; Cutter 18 50-20.50; Canner and low Cutter 17.50-18 75

BULLS — Choice 29.00-31.00, seven 31 50-32 75; Good 27.75-29.00, Utility and Commercial 27.50-30.60. eight 31.35-32.25.

FEEDER STEERS — Load Choice 535-740 lb 30.00-30.75, lot mixed Good and Choice 500 lb 30.25

VEAL CALVES 487 — Vealers active with best demand on Good and Choice, Cull 65-100 lb in least demand.

VEALERS — Choice 54.00-57 50; few Choice 270-320 lbs. 51 00-54 00; Good 50.00-54.50; Standard 42 00-51 00; Utility 34 00-42 00, Cull 90-120 lb 27.00-32 00, 65-85 lb 21.00-28.00.

SHEEP — None.

Monday, January 4

Hog receipts 908 — Retail 17 50-20 00, Wholesale 2s, 3s, 4s 17 00-17 50, Heavyweights 16.00-17 00, Sows 10-14, Boars 10-13.

Monday, January 4

Calf receipts 92 — Choice and Prime 47-56, Standard 39-42.50; Good and Low Choice 43-46.50; Common 28-38.50.

Monday, January 4

Hay and Straw — 10 loads. Mixed Hay 37.50-39.50; Straw 39-42

U.S. Inspected Livestock Slaughter

For week ending Thursday, January 7

	Cattle	Hogs	Sheep
Week to date	413,000	1,309,000	162,000
Same period last week	444,000	1,321,000	162,000
Same period last year	466,000	1,012,000	160,000

Estimated daily livestock slaughter under Federal Inspection.

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SALE EVERY TUESDAY 12 NOON

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EVERY SATURDAY AT 9:00 A.M.

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HORSE SALE — MONDAY at 10:00 A.M.

DAIRY SALE — WEDNESDAY at 12·30 P.M.

FAT STEERS, BULLS, COWS & VEAL — THURSDAY at 12:30 P.M.

NEW HOLLAND SALES STABLES, INC.
New Holland, Penna
Abram W Diffenbach, Manager Phone (717) 354-2194

Poultry Market Reports

Fogelsville

Tuesday, January 5

(Prices Paid Dock Weights, Cents Per Lb., Except Where Noted)

Hens, heavy type 7-17, mostly 10-15; Pullets 14½-27, M 23½-27; Roasters 10-25½, M 18-24; Ducks 30-43, Drakes 21-40, M 35-40; Rabbits 40-69, M 45-65; Guineas 60-70, M 66-70; Pigeons (per pair) 1.12½-1.55.

Total coops sold 507.

Green Dragon Dairy Cattle

Friday, January 1

The Green Dragon market reported receipts of 100 head of fair quality cattle, poor attendance due to weather, prices higher.

Consignments included

Load of Canadian grades and purebreds, 430 00 605 00.

Load of Canadian cows, 400.-00 510.00.

Load of New York cows, 440.-00-630 00.

Load of Mixed cows, 310 00-450.00.

Yellow cows, 275 00-405 00.

New Holland Dairy Cattle

Wednesday, January 6

Market steady with last week

Load Canadian cows, fresh, 460-570.

Load New York State cows, fresh, 475-555; springers, 345-560.

Load Canadian and Susquehanna County cows, fresh, 380-580; springers, 390-545.

Locally consigned cows, mostly fresh, 275-450

Heifers, 225-425.

Bull, 290.

Delmarva

Wednesday, January 6

Ready-to-Cook movement fair but generally less aggressive than expected in most quarters Advance interest spotty ranging light to occasionally good Less than trucklot prices generally ½ cent lower on both plant and U S. Grade A. In early trading for next week, plant grade loads noted in a range of 26-26½ cents. Live supplies ample. Undertone weak and unsettled. Pool trucklot prices for Thursday arrival in the New York area:

U.S. Grade A 27-29½ M 28-28½

Plant Grade 26-28 M 27

Special packs including 1¾-2, 3½ pound sizes TFEWR.

New York Eggs

Wednesday, January 6

Prices trended lower on large and mediums Undertone somewhat steadier on mediums but still weak on larger sizes Receipts moderate Trading stocks burdensome on large and extra large whites, ample to slightly excessive on mediums and about adequate on smalls Extra large and jumbo browns tight however large browns were long and street sales noted at 38-41c Demand picked up slightly late yesterday, particularly where prices were attractive, but opened this A M mixed with sales slow to fair Like Yesterday, a wait and see attitude prevails Cartons orders eased up slightly in many instances Retail feature activity noted, in scattered chains, on medium at 49c per dozen.

Invented Safety Pin

The modern safety pin first appeared on the American scene in 1849, when a New York inventor, Walter Hunt, received a patent for his invention He sold the patent outright for $400.

Eastern Pa. and N. J.

Wednesday, January 6

Prices unchanged to ¼ cent higher on light type hens Demand fairly good as slaughter plants return to full operations following holiday period Offerings ranged barely adequate to adequate. Producers continue to hold flocks for further production despite declining egg prices. Demand for heavy type hens fair Stocks adequate Prices paid at farm Light type hens 4-6¼ M 6-6¼ in Pennsylvania M 5½-6 in New Jersey Heavy type Hens TFEWR

Chicago Cattle

Weekly Review

Monday - Wednesday
January 4 - January 6

CATTLE — Compared last weeks close, slaughter steers steady to 25 higher, slaughter heifers steady to 50 higher cows 50-1 00 higher, bulls 50 higher.

Uneven distribution of receipts locally resulted in some fairly sharp price fluctuations in both slaughter steers and heifers On Monday, marketings were curtailed sharply in face of a heavy snowfall and adverse road conditions Both slaughter steer and heifer prices registered a substantial price upturn due to the small supply However, expanded marketings Tuesday and Wednesday caused prices of both classes to react downward, and much of the early advance was offset by declines on Tuesday and Wednesday.

Receipts 72 percent slaughter steers, 24 percent heifers, balance mainly cows Overall finish of slaughter steers not much different than last week with 18 percent Prime and near 75 percent Choice, compared with 18 percent Prime and 76 percent Choice last week, and 23 percent Prime and 66 percent Choice a year ago Heifer supply mainly High Good to Low Prime weighing 850-1125 lbs.

SLAUGHTER STEERS — On Monday, Prime 1200-1375 lbs Yield Grade 3 and 4 29 50-30 00, fully 10 loads at latter price, the highest in eight weeks, Prime 1150-1350 lbs 28-75-29 25, with load High Choice and Prime 1050 lbs included at latter price High Choice and Prime 1050-1400 lbs 28 25-29 00, Choice 950-1400 lbs. Yield Grade 2 to 4 27 50-28 50, Mixed Good and Choice 27 00-27 50, Good 26 00-27 00, Standard and Low Good 24 00-26 00.

SLAUGHTER HEIFERS — On Monday, load Prime 1050 lbs brought 29 50, the highest since late October On Wednesday, High Choice and Prime 950-1075 lbs. Yield Grade 3 and 4 27 75-28 50, Choice 850-1025 lbs Yield Grade 2 to 4 26 50-28 00, Mixed Good and Choice 26 00-26 50, Good 24 50-26 00.

Daily 51 SHEEP — 100 — Deck Good 90 lb wooled slaughter lambs 23 00

Weekly UEP Egg Market

Prices to the Producer

Tuesday, January 5 and Thursday, January 7

Region	Large		Medium		Small	
Northeast	41	37	34	30	23	23
Northwest	35	34	31	31	18	18
Central West	33	32	29	29	18	18
Southwest	32	31	28	28	18	18
Midwest	37½	33	31	27½	17½	17
Southeast	38	34	33	29½	24	23½
National Average	38	34	32	29	21	20½

Weekly New York Egg Mkt.

From Monday, January 4th to Friday, January 8th

	Mon.	Tues.	Wed.	Thurs.	Fri.
WHITE					
Fcy Ex Large	43	42	41	41	41
Large	42	41	40	40	40
Mediums	37	37	36	36	36
Pullets	28	28	28	28	28
Peewees	20	20	20	20	20
BROWN					
Fcy. Large	42	41	41	41	41
Mediums	Unquoted				
Pullets	Unquoted				
Peewees	Unquoted				
Standards	37	37	36	36	36
Checks	23	23	23	23	23

Tone — Eggs still readily available but position generally rated steady

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Co. Farmers Assn. Board Meets

The Lancaster County Farmers Association board Tuesday night announced that plans have been tentatively set to hold the summer picnic on July 23

A spring membership meeting was set for March 19 A county commissioner will speak on land assessment and taxes in Lancaster County

President James Kreider announced that 27 of the $100 debentures were sold in Lancaster County. The money is being used to pay for a new statewide Farmers Association office building.

The congressional tour to Washington has been set for March 2 and 3 The county will send a delegation to visit Congressman Ed Eshleman

Also, a state legislative tour has been set for March 29 in Harrisburg. Each legislative committee will visit with his particular senator or assemblyman and a banquet will follow.

The board voted to purchase 10,000 "Food Is a Bargain" pamphlets for distribution in Lancaster County stores

Ewe Flocks

The ewe flock needs some attention during the winter months of a good lamb crop is to be realized Liberal amounts of quality legume hay should be the foundation of the ration Daily outside exercise with plenty of fresh water is another requirement The grain fed should be limited depending upon the condition of the ewes. Too much grain will get them too fat and they will have weaker lambs. In some cases the ewes may have to be forced to take exercise by feeding hay on frozen ground or on the snow at distant parts of their outside exercise lot Total confinement is discouraged for the breeding flock during the winter months Loose salt should be available at all times from a box or feeder under roof.

Retirement

How a person feels about retirement may well be the key to whether he will be happy or unhappy when retirement time arrives Recent social research shows that people who adjust to retirement best are the people who have planned for it the longest. In other words, it doesn't do much good to dread retirement or to forget that it's going to come, and put off planning until retirement With more folks retiring at a younger age, and with better health conditions and longer living, more folks should give more attention to their retirement years. People who are happily retired have some things in common such as financially secure, have developed interests outside of their occupation, have community interests and hobbies, and have developed true companionship with their spouces and have many friends Retirement plans need some attention while in the prime of life and before the step is taken.

FUTURES TRADING

(Closing bids as of Thursday, January 7)

	Chicago Cattle	Chicago Hogs	New York Maine Potatoes	Chicago Fresh Eggs
January				34.80
February	28.65	16.15		35.00
March			2.61	35.40
April	29.00	16.17	2.70	33.25
May			3.09	32.65
June	29.40	17.77		32.75
July		18.65		
August	29.40	18.92		
October	28.95	18.90		
December	28.90	19.75		

Trend — Cattle, Hogs, Potatoes, and Eggs all lower.

a-asked b-bid n-nominal

Markets provided by Commodity Dept., Reynolds & Company

New Holland Horse Auction

Monday, January 4

Market steady with last week

One load Kansas riding horses, 105 400

One pair North Carolina mules, 440 790

One load Virginia work horses, single, 195 350, pair, 530-640, mules, single, 170 175, pair, 440 470

One pair Tennessee mules, 520 630

Locally consigned work horses, 130 240, driving horses, 90-240 riding horses, 100 150.

Mare ponies, 10-20 geldings, 10 15 large ponies, 25-40, colts, 5-10

ANNOUNCING

STARTING JANUARY 1, 1971 there will be a man available for Filing your 1970 Tax Return.

For Appointment call: 768-8279

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Intercourse Branch

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Roaches Fleas – Ticks Rats or Mice

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PHONE 397-3721

Trend to Part-Time Farming

There's no question that change is occurring in U.S. farming. The change is not new, however; the move from the farm to the city and then back to the suburbs has been underway for decades now.

Within this massive movement of people there have been many trends, such as the one toward bigger and more specialized farms.

But there's one trend which we think probably hasn't been well understood and properly noted. It's the trend toward part-time farming.

In an article on part-time farming this year, the Farm Credit Service magazine stated, "Over the years farming has become more and more mixed with other pursuits, until today about 92 per cent or nearly three million American farm operators receive some of their income off-the-farm.

"One might be tempted to say that we are a nation of 'part-time' farmers, but the amount of non-farm income varies from an insignificant amount for one farmer to a major portion of the family income for another. According to the most recent U.S. farm census, off-farm jobs brought in income equal to 36 per cent of the value of farm produce across the nation. This averaged nearly $4,800 per farm operated.

"That's a sizable average for any farm, and on two out of every five farms in the country the off-farm income was greater than farm income.

"This outside income comes from many sources such as government payments, property rent, interest in bonds, stock dividends and retirement payments. But the greatest amount comes from salaries and wages paid for work done outside the farm."

The credit service goes on to note that in 1965 half of all farm operators worked off-the-farm during the year and the figure goes up to 60 per cent if other members of the family are considered.

The report continues, "What kind of jobs do these part-time farmers work at? About 60 per cent receive wages and salaries from such jobs as factory work, construction or road work. About 45 per cent report government payments — soil bank, fertilizer and lime values, feed grain program payments — as outside income. Nearly 30 per cent get interest and dividends from loans, stocks and bonds, and a slightly smaller amount from pensions and social security.

"One out of every 10 farmers with outside income reported it from custom work, rent, or a business and profession."

The report also notes the wide diversity in the number of hours worked and the amount of money earned off the farm. The total money involved, however, was a whopping $8.3 billion in wages and salaries alone.

What is the future of part-time farming? While there is disagreement by various authorities, the report states, "If urban problems and pollution continue to plague our nation, country living on a part-time farming basis will be encouraged. . . .

"And as small towns try to become more attractive by bringing in industry, their labor force may well come mainly from the surrounding part-time farms.

"Without considering the economics of part-time or full-time farming, we can be sure that millions of people will prefer to live on the land close to the quiet and peace of the country and in an environment ideal for raising families."

We're sure that most farmers in Southeastern Pennsylvania know of many persons who are part-time farmers.

There are some with full-time jobs off the farm who keep sheep or feeder calves. Many farmers do custom work or operate or assist in a farm related business. Many work at local industries or commercial businesses.

As we see it, the number of part-time farmers will grow in the years ahead.

One of the keys to staying on the farm is to make the farm produce enough income so that the individual can make as good a living by staying on the farm as by leaving it.

As income in non-farming occupations rises, the farmer must make his farm produce more to stay competitive. This has spurred the trend toward specialization and bigger farms.

But there's generally more than one way to accomplish the same thing. Part-time farming is another way to increase the overall farm income without either getting bigger or leaving the farm.

The more members of the family willing to cooperate the greater the range of choice. Some members of the family can contribute to the overall health of the farm operation by working off the farm for additional income, while others work full-time on the farm.

While we think full-time farming is still a great way of life, we recognize that expanding farm populations are faced with fewer farms. But rather than being a source of disappointment, we think this situation is a challenge to farmers to display their usual ingenuity.

A little thought and cooperation, we believe, will prove to everyone's satisfaction that there is truly opportunity for everyone

While some may choose to leave the farm, this isn't really necessary. Growing numbers of farmers all over the country are finding it's possible to work off the farm and still remain a farmer.

Farming - Still a Future

There is much talk these days about the future of farming and trends in farming, such as the move to bigness and specialization. There's also higher taxes, pressures of urbanization and on and on.

At first glance, a farmer could easily be led to believe there's no future for him on the farm.

But we know a very high proportion of farmers aren't so easily discouraged and, we think, for good reason. Farmers have a lot going for them, including trends toward more people who consume more.

All those figures about fewer and fewer farmers can be scary, but we know that quite a few farmers are reaching the conclusion that someone has to grow food for the growing populations and, since they like farming, it might as well be them. The plain truth is that the fewer farmers there are, the more opportunities there are for the remaining farmers.

The individual farmer, to be successful, may from time to time have to readjust his thinking on the types of crops or products he grows and how he manages his farming operation.

But we believe that if he's energetic and sound in his thinking, his future is as secure as anyone else's in a changing world.

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Lancaster County's Own Farm Weekly

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NOW IS THE TIME...

By Max Smith
Lancaster County Agent

To Add Phosphate To Manure

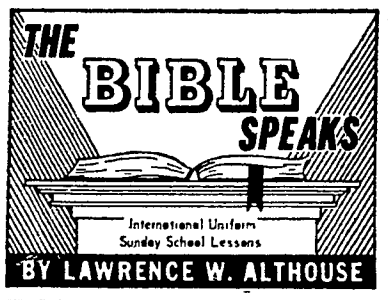
Many soils continue to need additional phosphorus. Livestock producers are urged to add super-phosphate in the manure at the barn. Dairymen may put the phosphate in the gutters and cattle feeders may broadcast the phosphate on the manure pack before each bedding Manure re-enforced with phosphate will make a more complete fertilizer and help with the sanitation practices about the barns.

To Recognize The Value To Insulation

Buildings filled with livestock during cold weather may need some attention to both ventilation and improved insulation When warm air strikes a cold surface, condensation takes place and we get sweating and dripping from the walls, windows, or ceilings. In some barns a six-inch cover of straw or hay on the barn floor above the livestock will serve as good insulation and reduce condensation. Some system of moving out the warm, foul air in confinement barns is necessary.

To Raise Dairy Replacements

We have some of the best dairy cattle in the country in this part of the state. The value of good herd replacements is very important to any herd. Therefore, we continue to urge dairymen to do the very best job of raising their heifer calves so their herd will improve. Calves should be in pens or stalls free from dampness and from drafts. Special quarters for young calves is desirable where they will be able to grow rapidly into heifers with size and added physical ability. The demand for surplus herd replacements is good and an extra source of income for the pure-bred breeder.



"OLD-TIME RELIGION"

Lesson for January 10, 1971

Background Scripture: Matthew 9:14-17; 13:31-33, 51, 52; Mark 4:26-29.

Bishop Gerald Kennedy on the United Methodist Church tells an old story of a hungry Arab, who, one night in his tent, lighted a candle, and peeled open a date. to his dismay, there was a worm, so he threw it aside. A second and third date also had worms. Exasperated, the Arab blew out the candle and ate the fourth date.

Rev. Althouse

"Rather than face unpleasant realities," comments Bishop Kennedy, "we often find it easier to stay with things as they are and hope for the best. It hardly ever works."

"It's good enough for me"

Many of us may be like the Arab: we do not like to face unpleasant realities. One of the most unpleasant realities for Christians today are the rapid changes — sociological, technological, theological, moral, political — taking place in our world. They are unpleasant because they are challenging us to change and we do not want to change. It is not so strange, then, that many of us look back to the "good old days" and sing: "Give me that old time religion . . . it's good enough for me."

No doubt about it, the old-time religion was good. But what we forget is that what made it "good" was that in its own day it spoke to the needs of people where they were. Its genius was that it was not geared to some day gone by, but present circumstances. Though it preserved the best of the past, it was not afraid to push on into the future with whatever new resources God would give.

"We never did it that way before"

When we go back into the Bible we find that all the great moments of spiritual history were regarded as "new-fangled" by people when they first appeared. Moses was often rejected by his people because he would introduce some "new thing" from God. It doesn't take too much imagination to hear the people of Israel greet Moses down from Mount Sinai with the Ten Commandments, saying: "But we never did it that way before!"

It was the same story when Israelite leaders tried to unite the tribes into one unified nation, when David sought to build a temple, when prophets challenged the people with their "new ideas." It was also this kind of resistance which gave Jesus so much opposition and which, indeed, brought about his death. His preaching and teaching were radically "new" and "different" and quite contrary to much that the rabbis held dear.

Jesus tried to help them to understand that his message was not really "new," but rather a contemporary interpretation of the eternal truth. No one, he said, "puts a piece of unshrunk cloth on an old garment, for the patch tears away from the garment and a worse tear is made." The same is true in trying to pour new wine into old wineskins. The fermentation of the new wine will burst the old, weakened material.

Old wineskins

The wineskins are the various forms in which we express our religion. They are our religious institutions, our style of church life, our form of worship, our mode of witness. These forms wear-out in time and the freshness of the Gospel is always in danger of bursting them. The important thing is not the wineskin, the form, but the eternal reality, the new wine. It is the Gospel, not our forms of expressing it, that is eternal. At one time it was normative to worship secretly in catacombs; today there is no need to do so. The important thing is that we worship, not where or how or when.

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Md. Extension Men Advise on Blight

The following summary of the present Southern Corn Blight situation and what to do about it over the Winter was presented by the University of Maryland Cooperative Extension Service but may have local interest:

Seed corn produced by old-fashioned detasseling methods will receive prime attention from corn growers laying in seed supplies for the 1971 crop, both in Maryland and throughout the U S

Chief demand will come from those farmers who suffered lower-than-expected yields from serious infections of the Southern corn leaf blight this year, according to Dr Leslie O Weaver, Extension plant pathologist at the University of Maryland

Both he and Dr V. Allan Bandel, Extension agronomy specialist at Maryland, advise farmers to examine the bag tags when buying seed corn for next year

Most seed companies will be utilizing a voluntary plan for identifying seed corn according to its method of production — or source of cytoplasm — and thereby identifying its probable resistance to the Southern corn leaf blight

Seed from foundation stock detasseled in the conventional manner will be designated by an "N" for "normal" This corn is considered resistant to blight.

Corn produced from nondetasseled Texas male sterile lines will be identified with a "T" on the label Such corn is susceptible to **Helminthosporium maydis,** the scientific name for Southern corn leaf blight Blends identified by a "B," will contain a mixture of blight-resistant "N" seed and blight-susceptible "T" seed

Due to excessive cost from the large number of sprayings required, field spraying with fungicides during the growing season is not considered generally feasible for controlling the Southern corn leaf blight Furthermore, it is very likely that the blight-causing fungus spores will over-winter under typical Maryland conditions, Dr Bandel pointed out in a recent letter to county Extension specialists

Planting resistant hybrids appears to be the only effective way of combating the disease Unfortunately, a sufficient supply of resistant (N) seed will not be available in 1971 Some blends (B) of resistant and susceptible hybrids will be sold in Maryland Non-resistant hybrids and blends should be planted as early as possible (but not earlier than normally recommended) to minimize damage should the blight arrive late in the season

Dr Bandel also recommends these procedures for corn growers in his recent information letter:

— Chop your stalks this fall and disk them in Do a careful, clean job of plowing in the spring to make sure that all residue is turned under

— Plant more than one variety of corn to minimize risks, since hybrids lines vary considerably in their resistance to leaf blight

— Consider other cropping alternatives, such as forage sorghums instead of corn for silage Grain sorghum or soybeans as partial replacement for corn are also possibilities But be sure there is a good market for any substitute you might select

— Ask your county Extension agricultural agent for information on varieties of corn which showed resistance or susceptibility in your area during the 1970 growing season But resistance to the Southern corn leaf blight in 1970 does not guarantee that the variety will perform similarly in 1971

The Maryland agronomist cautioned farmers to avoid the temptation of planting F2, or second-generation seed corn, even if it came from blight-resistant parent stock Such corn may not be adapted to your area. It is not in itself a hybrid and does not possess the hybrid vigor of its parents, he pointed out.

Adults Can Nourish, Stop Child's Desire to Learn

Each year our country loses hundreds of potentially bright children because of intellectual starvation, according to James E Van Horn, extension family life specialist, at Pennsylvania State University.

Although heredity may determine the level of a child's intellectual ability, it's the environment and adults in it that determine if he uses his capabilities.

Most children seem to be born with a joy for learning and a strong sense of accomplishment Adults can nourish or starve this joy, reminds Van Horn.

Picking up a bit of yarn can bring delight to a baby, and the mother who can say "pretty" as she looks at his treasure is helping her child in learning to explore the new and gain inner satisfaction

Given an opportunity to explore, children will learn. Their questions are real and need answers, simple one They don't need a lecture When they want more information, they'll ask another question.

The ability to stick to a task over a reasonable period of time is a key to wholesome intellectual achievement, says Van Horn Young children are said to have short attention spans This may be true when one demands that a child pay attention But if he is involved in a self-directed or self-controled situation, he may work for an indefinite period of time

Children need tangible rewards for good performance when they are learning Parents can help older children to recognize the pleasure of using their full power and to know the satisfaction that comes with success, Van Horn adds

Production Report

A special production testing report from the Holstein-Friesian Association of America shows that Sandytop Apollo Pat 6899426, a two-year-old cow owned by Nathan E Stoltzfus, Gap, produced 16,482 pounds of milk and 568 pounds of butterfat in 365 days

Longest Highway

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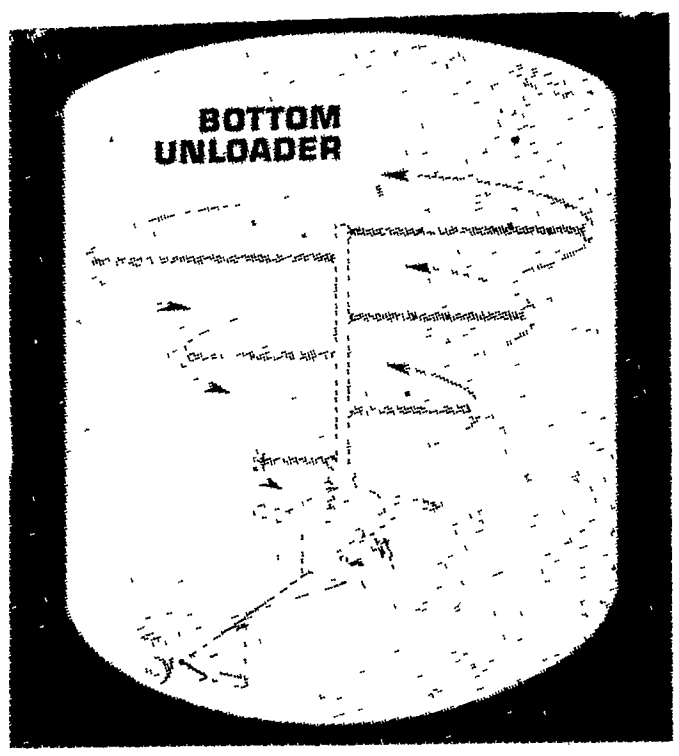

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Among new officers of the Lancaster County Vo-Ag Teachers Association are: left to right, Jess Erway, Manheim Central High School, vice president; Phil Ogline, Eastern Lancaster County High School, president; Arba Henry, Solanco High School, secretary. Charles Ackley, Ephrata High School, not shown, is treasurer.

Holstein Assn. Receives New Local Members

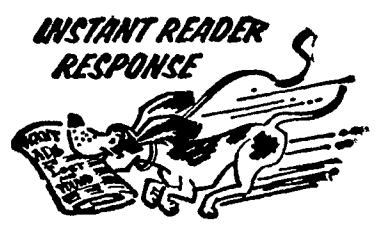
The Holstein Friesian Association of America recently announced that it has received 13 new members from Lancaster County.

They are David L Beiler, New Holland; Paul K and Esther M Farrel, Manheim, Robert D Harnish, Manheim, Paul L Hess, Drumore, James High, Lancaster.

Mahlon H High, Lancaster, Aaron Lapp Jr., Kinzers, John P Lapp, Leola; Daniel J Martin, Strasburg; Rufus G Martin, Ephrata, Edwin W Shirk, Ephrata; John F. Stoltzfus, Strasburg, and Clarence E. Swope, Manheim.

New members from Chester County are: Henry O. Martin, Honey Brook; Vernon C. Ruth, Spring City, Alvin J Stoltzfus, Elverson, and David L Stoltzfus, Honey Brook.

Meanwhile, the Holstein-Friesian Association's board of directors has announced that Pennsylvania is the second largest dairy state in the Northeast and has taken the lead in the number of new members received by the board.



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Price Increases

With the prices of nearly everything on the increase, the question is posed about the value of farm real estate. We are informed by our economists that nationally, the value of farm real estate rose another 4% during the past year; this is the smallest rate advance in the past seven years and could be due to the tight money situation throughout the country. While market values declined in some of the mid-western states, they were up sharply in the east including Pennsylvania, New Jersey and Maryland In Pennsylvania the value of the average acre of farm real estate is 14% higher than a year ago Cash rent for pasturing livestock averaged $3.00 per month in the northeast and the average cash rent per acre for crop land was $22.35. These prices will vary according to the fertility of the land and production capacity

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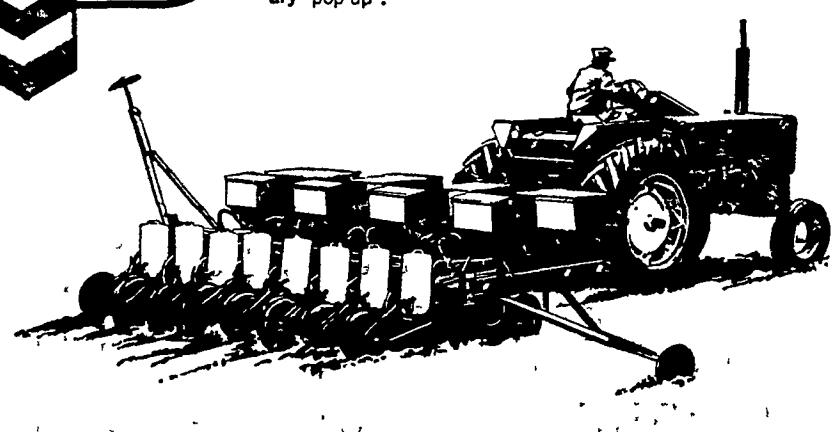

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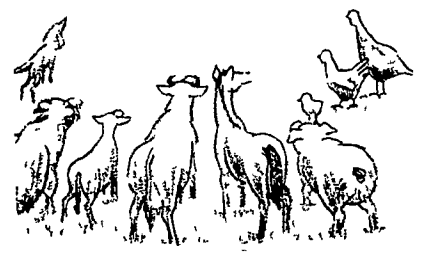

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Lancaster County Tobacco Show Report

(Continued from Page 1)

third; Donald S Wenger, Manheim RD2, fourth, and Glenn Newcomer, Washington Boro RD1, fifth.

Adult long binder tobacco over 26 inches — Witmer J. Rohrer, Strasburg RD1, second; Michael E Rohrer, Strasburg RD1, third, Eugene M. Rohrer, Strasburg RD1, fourth, and Homer Ginder, Elizabethtown RD3, fifth.

Short binder under 26 inches — Michael E Rohrer, Strasburg RD1, second; Eugene M Rohrer, Strasburg RD1, third; Witmer J. Rohrer, Strasburg RD1, fourth, and Martha Hostetter, Manheim RD1, fifth.

Long wrapper — Roy M. Rohrer, Strasburg RD1, second; Eugene M. Rohrer, Strasburg RD1, third, Michael E. Rohrer, Strasburg RD1, fourth, and Witmer J Rohrer, Strasburg RD1, fifth.

Short wrapper — Roy M Rohrer, Strasburg RD1, second; Michael E. Rohrer, Strasburg RD1, third; Douglas S. Reist, 1050 Eden Road, Lancaster, fourth, and Witmer J. Rohrer, Strasburg RD1, fifth.

Long filler — Roy M Rohrer, Strasburg RD1, second; Eugene Rohrer, Strasburg RD1, third, Witmer J. Rohrer, Strasburg RD1, fourth, and James Gruber, Elizabethtown RD3, fifth.

Short filler — Eugene M. Rohrer, Strasburg RD1, second; Roy M. Rohrer, Strasburg RD1, third; Michael E Rohrer, Strasburg RD1, fourth, and Douglas S. Reist, 1050 Eden Road, Lancaster, fifth.

The tobacco judges were Ken Mann of A. K. Mann Tobacco Co. and Lester Whitmore of American Cigar Co. Floyd Imes, manager of Agway Seed Plant, Manheim, was the corn judge.

Ken Mann, left, and Lester Whitmore, right, inspect a leaf of tobacco in arriving at a class winner in the county tobacco contest Thursday, while Mike Mann, nephew of Ken Mann, observes how quality tobacco is selected.

County Conservation District Supports Frysville Farmers

The Lancaster Soil and Water Conservation District has voted to support a Muddy Run citizens group which is contending that a proposed new poultry plant would pollute the creek.

The Conservation District adopted a resolution to support a group of Frysville farmers headed by Miles Fry and the farmers' contention that:

—A new poultry processing plant by G&M Poultry Corp. should have a three-stage tertiary sewage system. A three stage system would make effluent 98 per cent pure, Fry said.

—A qualified sewage operator should be hired to run the treatment plant.

—The firm should be required to dump sludge on areas only where there is no possible chance of it being washed back into the creek.

The new poultry processing plant would give off 50,000 gallons of effluent a day from a dressing operation of 16,000 birds per day, Fry said. Fry's group has contended that under present sewage treatment plans, the new plant would considerably increase pollution on the creek.

In other action, the annual Conservation banquet was set for March 23 at Blue Ball Fire Hall. John Rehakamp, Philadelphia landscape engineer, was announced as speaker.

A new district forester was announced to replace Ken Schwartz. He is Patrick Lantz.

New Soil Cooperators

The Lancaster County Soil and Water Conservation District announced the following new cooperators at its meeting this week:

Wilmer Kreider, Little Britain Township, 60 acres; Reuben B. Fisher, Bart Township, 60 acres; A. Dale Herr, Colerain Township, 500 acres.

Fisher Brothers, Eden Township, 150 acres; Shirk Builders, West Cocalico Township, 68 acres; Michael Ackerman, Rapho Township, eight acres, and Charles H. Kreider, Mount Joy, 108 acres.

Cancellations were received from Walter B. Groff, Providence Township, 131 acres, and Joseph Hess, Strasburg Township, 90 acres.

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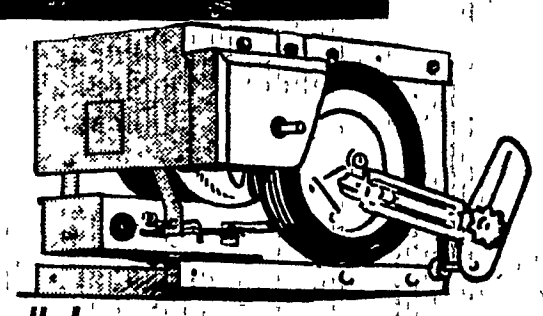

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See Us For Gandy Granular Pesticide Applicators

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CHEMGRO

Box 218, East Petersburg 569-3296

Lancaster Co. Farmers Assn. Launches Membership Drive

Members of the Farmers Association review the organization's new "Power for Agriculture" pamphlet early this week as they launched a new membership drive. From left to right are: James G. Kreider, Lancaster County Farmers Association president; Leon Kreider, local membership campaign chairman; Chester Heim, Pennsylvania Farmers Association legislative director, and Eugene McDowell, regional organization director.

Chester Heim, Pennsylvania Farmers Association legislative director, was the speaker at the Lancaster County Farmers Association membership drive kick-off at Witmer Fire Hall Monday night.

Heim said that "living independently is a luxury we (farmers) can no longer afford." He said that farmers must organize to protect farmers' interests.

He added that he thinks most farmers today are coming to realize the need to organize and are ready to listen to appeals from the Farmers Association

He emphasized the need for farmers to have their own organizations, rather than depend on other types of organizations to protect their interests He stated that "others can do it, but they will do it to you instead of for you."

He also emphasized the voluntary concept of the Farmers Association and said this is important in keeping the organization working for the best interests of the farmers, because the farmer can readily get into or out of the organization.

In discussing particular problems farmers need to be concerned about, Heim particularly emphasized land assessment for tax purposes and the threat that higher land taxes pose for the future of agriculture "If we're not careful, we're going to run people out of farming in Pennsylvania" with high land taxes, Heim said.

He also said, "The whole property assessment picture needs studied."

He said one high state official, who was not named, recently said the country can grow all the food it needs in the West. "This is true," Heim said, "but Pennsylvania can't afford to lose the economic value of its farming."

He continued, "If we're going to keep Pennsylvania growing economically, we're going to have to keep agriculture strong in Pennsylvania."

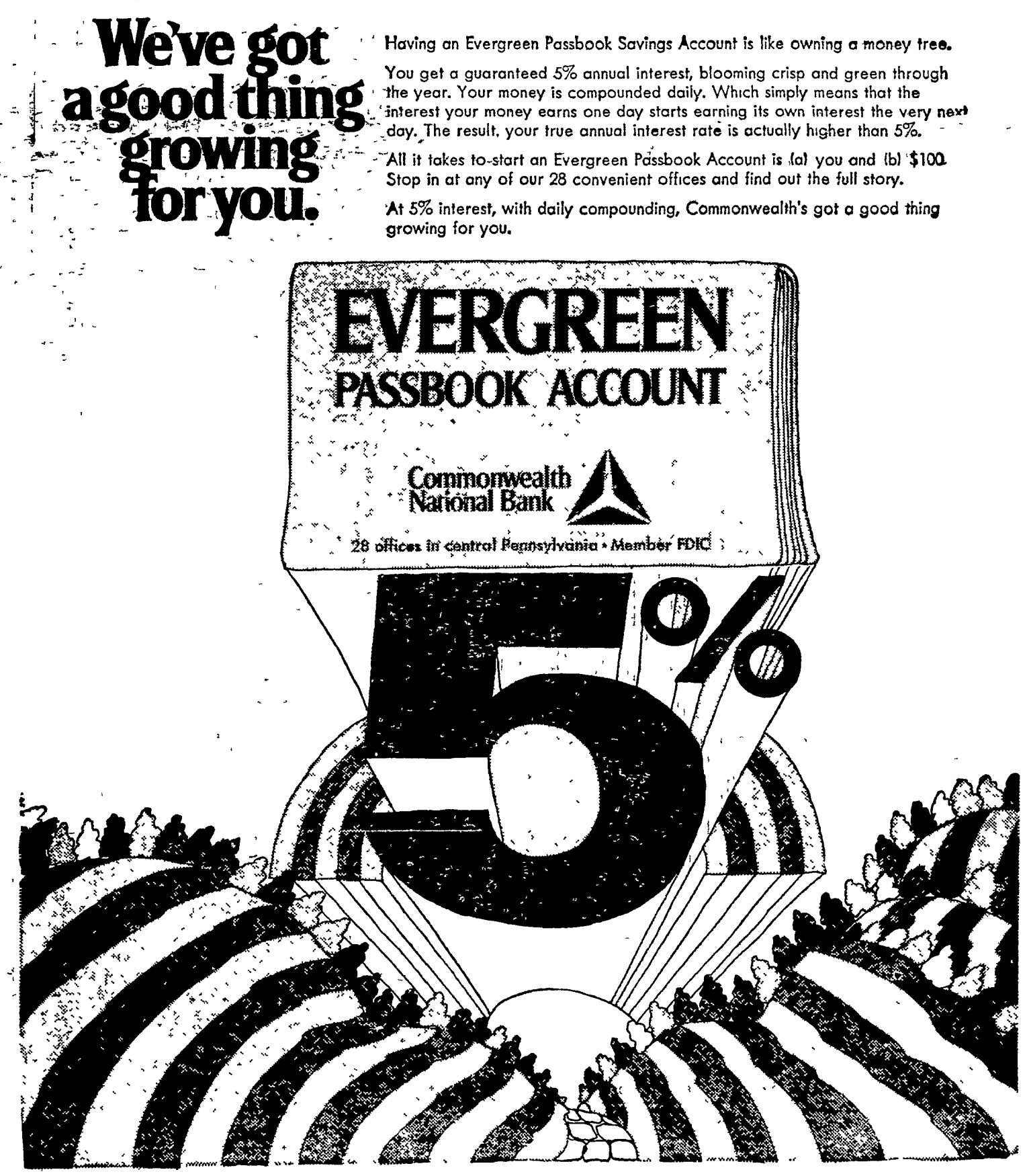
He said that four out of 10 jobs in Pennsylvania are related to farming. He also noted that Pennsylvania agriculture is a $1,000,000,000 industry and that no state can afford to lose such a large part of its economy.

Looking ahead, he projected that the budget will again be the biggest issue in Pennsylvania this year.

He also said that much of the harm which is being done — or could be done — to farming through legislation is not deliberate. It's just that "people don't understand your business and this is why farmers need to present their views"

In other comments Heim said the things that motivate people are "the things that you can do to help them in their own lives." He urged members to sell the organization on its past accomplishments as well as what it can do in the future He outlined some of the many services provided by the Farmers Association and said the organization has "a fantastic history" in just 20 years of existence.

Also speaking at the meeting were James G Kreider, Lancaster County Farmers Association president, Eugene McDowell, regional organization director, and Leon Kreider, local membership campaign chairman.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Agway to Build at Elizabethtown

(Continued from Page 1)

Elizabethtown, as stemming from automation and fast transportation. The new center is described as highly automated and close to the Harrisburg highway network, making it readily accessible throughout the region it serves.

About 60 persons are expected to work at the new Elizabethtown center.

Company figures project the cost at $2,196,000. The Westfield plant will cost an estimated $2,413,000.

Agway first began plans to convert from the existing nine warehouses to a new system of three highly mechanized distribution centers in early 1968.

Besides Spring Garden, the Elizabethtown and Westfield facilities will replace centers at Albany, Port Jervis, Warren and West Concord.

Rapid growth in Agway's wholesale distribution volume in the past three years was given as a key reason for the moves.

The site of the new Elizabethtown facility is on the Lancaster County-Dauphin County line located off Zeager Road, formerly the old Herr property on Route 230.

The company is reported to be considering other building on the site.

Farm Records

Farm records should become a more important part of the farming business at this time of the year because they should be used of many purposes beside filing an income tax report. The evaluation of the farm records according to each enterprise should give some indication of the future of these parts of the program. As the year draws to an end some "pencil pushing" at the desk is strongly advised. The records should indicate the net returns (or losses) of each enterprise and be used as a guide for future planning.

Turtle's Lifetime

The common box turtle, Terrapene carolina, not infrequently lives for over half a century and possibly reaches a maximum lifetime of 123 years.

Freezing Weather

Freezing weather has arrived and this adds to the many chores that should be done around the home and on the farm. The mulching of the strawberry plants is now timely so that you will have a better crop next June. The way in which the plants survive the winter may control the yield next spring. When the ground freezes it is time to apply 2 to 3 inches of wheat or barley straw over the plants; this will keep out the sun and the wind and help reduce the amount of alternate freezing and thawing of the ground around the plants; when this occurs frequently we get heaving of the plant out of the ground. Also, the mulch will keep a more constant temperature of the soil around the roots and make them stronger next spring. Late November or early December is a good time to cover the berries for their long, winter dormant period.

First Air Service

The first regular trans-atlantic air service between the United States and Europe was inaugurated June 28, 1939. when the Dixie Clipper made the first commercial passenger flight from Port Washington, N.Y., to Lisbon, Portugal.

Don't Neglect Your Eyes

Visit Your Eye Doctor if you are in doubt.

Doctor's Prescriptions Filled Adjustments, Repairs

DAVID'S OPTICAL CO.

Always See Better

403 N. DUKE STREET

Phone 394-2767
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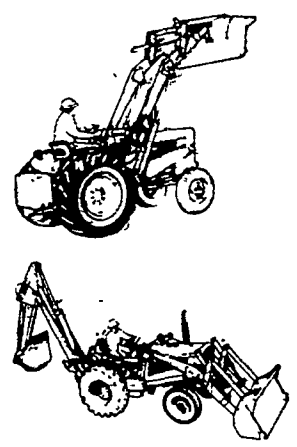
480 CONSTRUCTION KING LOADER - BACKHOE



- Versatile utility loader-excavator handles a variety of jobs at lowest cost — built to Construction King standards.
- Low initial investment, low operating cost.
- 2200 lb. loader lift capacity to full height. Power-linkage design, plus big hydraulics, provide 3500 lbs. breakout.
- 42° bucket rollback at 18" carry, 110° grading angle. Exceptional loading, leveling, and grade performance.
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- Powerful, high-speed cushioned boom swing. No-lag hydraulics, for continuous cycling power.
- Hydrostatic power steering for quick, effortless maneuvering. Less operator fatigue.
- 3-point hitch for choice of rear-mounted landscraper, scarifier, mower, scraper, rake, etc.
- Choice of trenching and bell-hole backhoe buckets.

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Emblems Of Safety

Our membership in these two organizations not only insures your savings up to $20,000 but makes certain they will be readily available.

Look for these two emblems when you look for security in saving money. They assure you of the most up-to-date protection for your hard-earned dollars that human ingenuity has ever devised.

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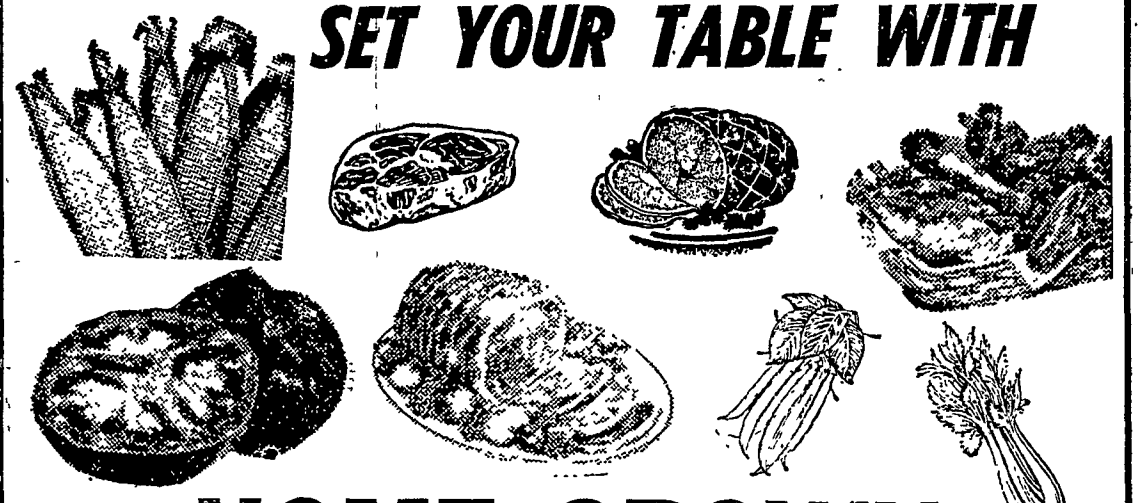
Mon. thru Thurs. 9 to 4:30 — Fri. 9 to 6 — Sat. 9 to noon

MEADOWBROOK FARMER'S MARKET

FRIDAY 10 A.M. TO 10 P.M. & FLEA MARKET SAT. 8 A.M. TO 4 P.M.

SET YOUR TABLE WITH



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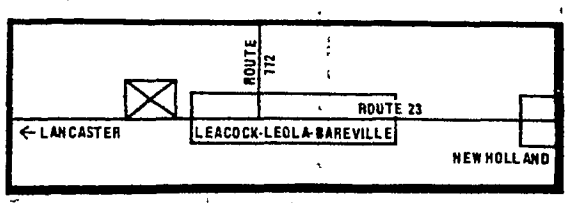

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Help Us Serve You

Don't assume we know about your farm organization's meeting To get your meeting on our Farm Calendar, it's safer to assume we don't know

Remind us by calling 394-3047 or 626-2191 or by writing to Lancaster Farming, 22 E Main St., Lititz, Pa. 17543. You'll be helping us to serve you better.

P S — If you're not sure you told us already, we don't mind hearing from you again.

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NEW & USED FARM & INDUSTRIAL EQUIPMENT

FRIDAY, JANUARY 15, 1971

10 A. M.

Located — 4 miles north of York, Pa. on Route 181 or 20 miles south of Harrisburg from Interstate 83 — Exits 10 or 11.

40 TRACTORS

Ford, John Deere, International, Allis Chalmers, Massey Ferguson, Oliver, several crawlers & trucks.

EQUIPMENT

Plows, disk harrows, post hole diggers, mowers, elevators, wagons, combines, cornpickers, flail choppers, spreaders, & all kinds of farm & industrial equipment.

Farmers & Dealers:
We sell anything on commission — Bring your surplus equipment in for this sale.

Terms: Cash or good check

York County Farm & Industrial Equipment Co. Inc.
Box 222, Emigsville, Pa.
Phone: 717-764-6412 or 764-5115

COMPLETE AUCTION SERVICE

Russ Wimer, left, chain saw salesman for Landis Bros., Inc , 1305 Manheim Pike, Lancaster, is shown this week receiving the McCulloch Gold Saw Award for outstanding achievement in sales, service and stocking of parts. Presenting the award is Dick Boose, district representative, on behalf of Conaway-McCulloch, Inc , Eastern Pennsylvania area distributor.

DO YOU BELONG TO OUR

"49" CHRISTMAS CLUB?

You Pay 49 Weeks Regularly On Any Club; We Pay The 50th Week For You.

Christmas shopping is always more fun when you can do it without rushing and without piling up bills.
So, get a headstart on Santa next year by joining our Christmas Club now.
When the club pays off next November, you'll be all set for a wonderful holiday.

50c each week for 50 weeks	$ 25.00
$1.00 each week for 50 weeks	$ 50.00
$2.00 each week for 50 weeks	$100.00
$3.00 each week for 50 weeks	$150.00
$5.00 each week for 50 weeks	$250.00
$10.00 each week for 50 weeks	$500.00

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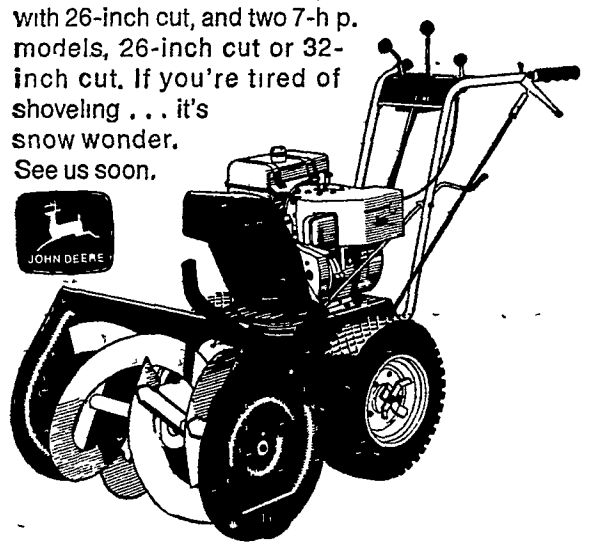
snow wonder

Don't push yourself this winter . . . walk behind a new John Deere Snow Blower. Three models. 5-h p. model with 26-inch cut, and two 7-h p. models, 26-inch cut or 32-inch cut. If you're tired of shoveling . . . it's snow wonder. See us soon.



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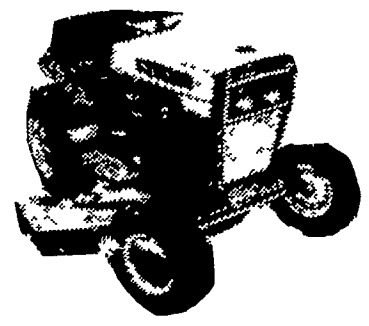

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- Over 50 attachments to fit any specialized purpose.
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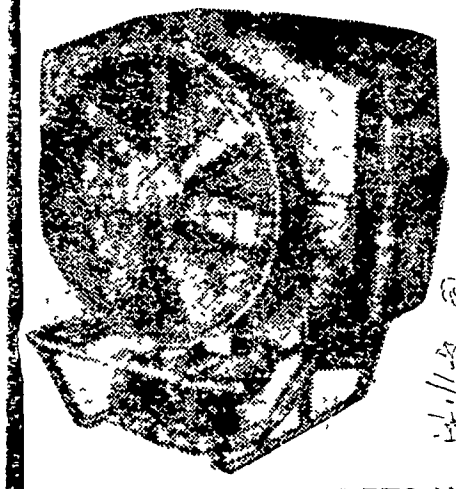
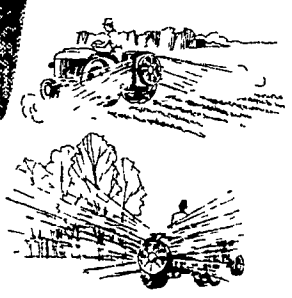


...with Lightweight, Rust Free Molded Tank



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PUBLIC SALE REGISTER

SAT, JAN. 9—1 P.M Complete Holstein Dispersal by Mr. and Mrs. John Richart who will sell entire Dairy due to ill health located just off Route 118, 5 miles east of Hughesville, Penna. or just off Route 442 between Muncy and Millville, 12 miles west of Millville, Pa. 3 miles south of Laurdsville, Pa. Ronald D. West, Sales Manager, Robert Shaylor, Auctioneer.

FRI. NIGHT JAN. 15— 8 P.M. New Year Dairy Cow Sale at the Black & White Holstein Farm, Lancaster, Pa. Charles Myers, Owner, Abe Diffenbach, Auctioneer.

FRI JAN. 15—8:00 P.M. Public Auction of 60 Registered and Top Grade Holstein Dairy Cattle to be held in the dairy barn arena at the Aberdeen Sales Company in Churchville, Harford Co., Md located on Md Rt. 22, 6 mi. east of Bel Air, Md, and 6 mi. west of Aberdeen, Md. Sale by Aberdeen Sales Company, Sale Managers

FRI. JAN. 15—10 A.M. Public Auction of New & Used Farm and Industrial Equipment located 4 miles north of York, Pa. on Route 181 or 20 miles south of Harrisburg from Interstate 83 — Exits 10 or 11. Sale by York County Farm and Industrial Equipment Co, Inc, Box 222, Emigsville, Pa.

WED JAN. 20—9 A.M Martin's Sale Barn, Blue Ball, Pa. Farm Equipment We sell on commission Ph. 717-354-6671. Paul Z. Martin, Martin Auctioneers.

THURS. JAN. 21—10:30 A.M. Sharp Guernsey Dispersal of W. J. Biever & Son, Schuylkill Haven, Pa. Owners, at the Ass'n. Sales Pav., 6 mi. E. of Lancaster, Pa. Sales Managed by Penna. Guernsey Breeders' Ass'n., P. O. Box 458, Camp Hill, Pa 17011.

SAT. JAN. 23—2 P.M. Public Sale of Real Estate, located at 36 East Hummelstown Street, Elizabethtown, Pa. 11 room frame house. Terms by David Burkholder and Levi High Stone and Kilmer Auctioneers

SAT. JAN. 23—2 P.M. Public Sale of Real Estate, 11 room frame house. Terms by David Burkholder and Levi High Stone and Kilmer Auctioneers.

WED. JAN. 27—12 Noon Special Draft Horse and Mule Sale at Blue Ball, Pa. Sale by Paul Z Martin, Martin auctioneers.

(Continued on Page 13)

Help Us Serve You

If your organization didn't make our farm calendar this week, it's not because we don't like you or your organization.

We may have missed it in the rush. Or maybe you forgot to tell us.

Either way, we'd like to extend our farm community service to you.

To get on the Farm Calendar, remind us by calling 394-3047 or 626-2191 or by writing to Lancaster Farming, 22 E. Main St., Lititz, Pa. 17543. And help us serve you better.

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SEE ME AT THE FARM SHOW

I'll be at booth 447, Main Exhibition Hall.

I'd like to tell you about

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Also, you're invited to see the progeny of A.B.C. sires being exhibited.

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GET BACK THAT LOST POWER

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Cub and Lo-Boy	$142.00
A, Super A, C and Super C	245.00
H and Super H	267.00
M, Super M and M.T.A.	298.00
300 and 350	321.00
400 and 450	357.00
460, 560 and others	379.00

HERE'S WHAT YOU GET . . .

● New Thin Wall Sleeves and Pistons ● Intake and exhaust valves ● Valve springs ● Main and rod bearings ● Points ● Condenser ● Plugs ● New oil and filter ● Time engine ● Radiator hoses ● Gaskets ● Clean air cleaner ● Clean fuel bowl ● Adjust fan & generator belt ● Steam clean engine

PLUS FREE DYNAMOMETER TEST

EQUAL SAVINGS ON ALL DIESEL MODELS

TRACTOR PAINT SPECIAL

GIVE 'EM A NEW LOOK!

Farmall Cub, Lo-Boy, Super A, 100, 130, 140, Only	$79.50
Farmall C, Super C, 230, N, Super H, 240, 404, Only	$89.50
Farmall M, Super M, 300, 340, 350 400, 450, 460, 560, now only	$98.50

ADD $15.00 FOR TWO TONE

GET BACK THAT LOST POWER WITH OUR

ANNUAL TRACTOR TUNE-UP SPECIAL

Model of Tractor

Cub A, Super A, 100, 130, 140	$27.50
H, Super H, C, Super C, 200, 230 240, 404	$33.00
M, Super M, M.T A., 300, 340 350, 400, 450	$35.50
F, 460, 560	$38.00

HERE'S WHAT YOU GET ON TUNE-UP SPECIAL . . .

● Check and record engine compression ● Adjust valves ● New points ● Plugs ● Condenser ● Adjust fan and generator belts ● Adjust clutch ● Time engine ● Free Dynamometer test ● Wash all air filters ● Clean fuel line and carburetor screens and filters

EQUAL SAVINGS ON ALL OTHER MAKE TRACTORS

Pick-Up and Delivery made at a modest additional charge

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INTERNATIONAL HARVESTER COMPANY SALES AND SERVICE

FARM AND INDUSTRIAL TRACTORS AND EQUIPMENT — MOTOR TRUCKS

EPHRATA, PA. 17522

Sale Register

(Continued from Page 12)

THURS. FEB. 4—10 A.M. Tussey View Farm Complete Dispersal Sale at the Black & White Holstein Farm, Lancaster, Pa. Tussey View Farms' Inc., Centre Hall, Pa. Owners, Sale Management by Penna Holstein Assn. and R. Austin Backus, Inc., Mexico, N. Y.

WED. FEB. 10— 9 A.M. Martin's Sale Barn, Blue Ball, Pa. Farm Equipment. We sell on commission. Ph. 717-354-6671. Paul Z. Martin, Martin Auctioneers.

WED. FEB. 24—9 A.M. Martin's Sale Barn, Blue Ball, Pa. Farm Equipment. We Sell on commission. Ph. 717-354-6671. Paul Z. Martin, Martin Auctioneers.

WED. MARCH 10—9 A.M. Martin's Sale Barn, Blue Ball, Pa. Farm Equipment. We sell on commission. Ph. 717-354-6671. Paul Z. Martin, Martin Auctioneers.

MON. MARCH 15 — Shalco's Canadian Division "Colossal" Sale at Stavely, Alberta, Canada.

WED. MARCH 24—9 A.M. Martin's Sale Barn, Blue Ball, Pa. Farm Equipment. We sell on commission Ph. 717-354-6671. Paul Z. Martin, Martin Auctioneers.

MON. MAY 10—Shalco's Sugar Loaf Division "Colossal" Calf and Cow Sale at Staunton, Virginia.

MON. AUG 30 — Shalco's "Colossal' Vacation Sale at Minatare, Nebraska.

THURS. NOV. 4 — "Colossal" Progeny Sale, Staunton, Virginia.

FRI. NOV 5 — Shalco's Sugar Loaf Division "Colossal" Bull Sale, Staunton, Virginia.

Mail Box Market

Help Wanted: Single man wanted for help on modern dairy farm, Mount Joy, Live in Phone 653-1625.

Mail Box Market

For Sale—1 Surge milker, 3 Surge pulsators, overhauled; 3 sets Surge narrow bore shells and inflations and all other hoses. Everything except lids and pails. All used. Christ B. Stoltzfus, R.D. #1, Christiana, Box 279, Pa.

For Sale—8 can front opening milk cooler, used 8 months; 30 gallon automatic hot water heater, used one year; DeLaval milking equipment. Telephone 215-273-3257. G. Edwin Helms, R.D. #2, Honey Brook, Penna.

For Sale—2—12 ft. aluminized steel silo roofs, very good Allen Weaver, R.D. #1, East Earl, Pa. 17519.

For Sale—6 registered purebred Holstein heifers, 1 year old. Phone 733-4295.

For Sale—Side of Angus steer to be dressed January 22 Call 665-4641.

For Sale—Several pieces of old furniture. Possibly antiques Phone 1-215-932-3425.

Mail Box Market

For Sale—New 5 hole wheel tire chains to fit 800 x 14 or 750 x 15, new hydraulic jack, 5/10 ton or more. Phone 653 4743.

BOOK YOUR SPRING ORDER NOW and SAVE UP TO 10%

ON PLOW PARTS MOWER PARTS HAY RAKE TEETH

Just Order Before Jan. 12 Pickup In March

If you can't come to the store order by mail, but be sure to provide all necessary information.

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The hen that **lays** better and **lives** better than its competition, including the brand you're using now!

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SPECIAL DRAFT HORSE & MULE SALE

WED., JAN. 27, 1971 — 12:00 Noon
AT BLUE BALL, PA.

We will have horses and mules consigned from various states

Registered and grades and only good quality wanted and sale limited to 75 head.

20 head of horses and mules from Doug Wilson, Somerset. Ky. Mated pairs in Sorrels and Grays, young and broke.

1 Pair Reg. Red Roan Belgium Mares in Foal outstanding

NOTICE: We will hitch Horses and Mules that are broke at 9 a.m. and probably also Day before Sale.

Equipment, Wagons, Surry, Milk Wagon, Sleds

Sale starts promptly at 12 noon

PAUL Z. MARTIN
Ph: (717) 354-6671

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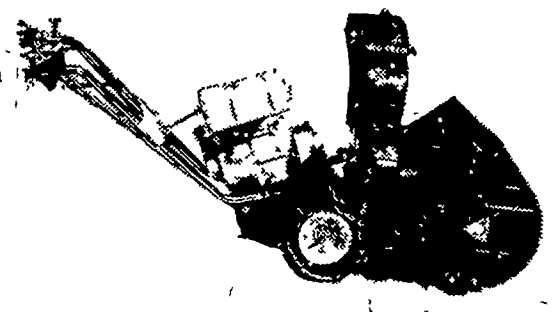
CALL Elmer Beiler

COME SNOW-GO ARIENS



Clearance Sale On 7 H.P. ARIENS SNO-THROS

SAVE

$40.00 OFF List Price

While They Last!

New 2½ H.P. Briggs & Stratton Engines

Special At $39.00

SEE THE LATEST IN

Insulated Tractor Cabs

Equipped with Heater — Radio — Defroster — Windshield Wipers — Cooling Fan — Fuel Tanks in the fenders — Tinted Glass.

REASONABLY PRICED

CALL Titus Burkholder

New Sunset and Milkeeper Bulk Tanks
Kleenzade Automatic Bulk Tank Washers

CALL Dick Bomberger

Tingley Boots & Rubbers

Knee-Hi Boots $7.90 pr.
Rubbers $3.99 pr.
Boots $5.99 pr.

I.H. WINDBREAKERS
Reg. Price $65.
SPECIAL $55.
Complete With Windshield

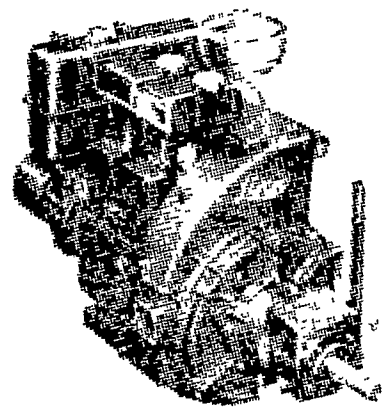
50 lb. Rolls Tobacco Paper
ONLY 14c lb.

CALL Henry Esh

For Sales — Service — Parts

- Used VA. 7½ H.P. Lister
- New 7½ H.P. Slow Speed
- Used 4 H.P. Lister
- Used 8 H.P. Water Cooled
- New Listers with Lima Generators

Area Distributor for Lister Diesel Engines

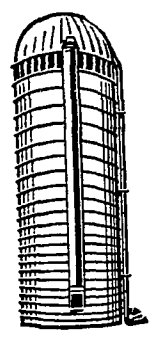


CALL Leroy Zook

LANCASTER SILOS

Place Your Order Early

For Extra Discount



RADIO CONTROLLED TRUCKS FOR BETTER SERVICE

C. B. HOOBER & SON

Intercourse, Penna. Phone 768-8231

Mail Box Market

For Sale—John Deere trip bottom plow, 2-14, three point hookup, in good condition Phone 267-6246.

For Sale—Farmall 200 tractor with cultivator. Phone 859-2797.

Mail Box Market

For Sale—2 used overhead garage doors, one 9 x 7 and one 16 x 7; two Empire gas floor furnaces. Amos S. King, Route 1, Kirkwood, Pa. near Bartville, Pa.

PAUL Z. MARTIN'S

1971 FARM EQUIPMENT SALES

IN BLUE BALL, PA.

WED., JANUARY 20, 1971 — AT 9:00 A.M.

TRACTORS — Large Equipment of All Kinds.
Horse-drawn Equip., Dairy Equip., Tools, Posts, Lumber, Hay & Straw, New Hardware and Tools

Please Bring Your Goods In Before Sale Days.
Equipment Brought In Day Of Sale Will Be Sold Last.

NOTICE: We Always Have Antique Equipment & Wagons & Small Collectors Items.

Small Goods Sold Inside Heated Building.
We Have Buyers For Hay And Straw.

SALE ORDER: Small Goods, 9 a.m.; Hay and Straw, 12 noon; Tractors, 1:00 p.m. Followed by Large Equipment. NOTICE — No Poultry Equipment

We will have a man here to receive goods from 8 a.m. - 5 p.m., Jan 13 — Sale Day

PAUL Z. MARTIN
Blue Ball, Penna.
Phone: 717-354-6671

— NEXT SALES —
February 10 and 24 — March 10 and 24, 1971
Draft Horse and Mule Sale — Wed., Jan 27, 1971 at 12 noon

Public Auction

60 Registered and Top Grade Holstein Dairy Cattle

Sale to be held in the dairy barn arena at the Aberdeen Sales Company in Churchville, Harford Co., Md. located on Md. Rt. 22, 6 mi. east of Bel Air, Md., and 6 mi. west of Aberdeen, Md. on

FRIDAY, JANUARY 15, 1970

at 8:00 P. M.

This sale will feature one load of top springers and fresh cows from Frederick Co. and one load of fresh heifers and cows from York Co., Pa. J. Charles Rutledge will sell a group of top open heifers which have a lot of quality and are ready to breed. There will be other consignments, also.
All cows T. B. Accredited, Certified Bangs Free and tested within 30 days of sale. Freshening dates, breeding and due dates and milk weights will be available.

TERMS: CASH

ABERDEEN SALES COMPANY
Sale Managers
Phone: 301-734-6050
Night: 301-734-7105

PRIVATE SALES DAILY

Real Estate

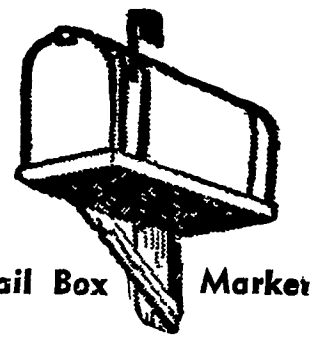
Farm for Sale—Approximately one hundred sixty five acres location on Fruitville Pike about 4 miles from Lancaster, Pa. H. A. Grube, Box 403, Blairstown, New Jersey 07825.

Instructions

SEMI DRIVER'S NEEDED
Experience helpful but not necessary, for local and over-the-road hauling. You can earn $10,000 to $15,000 per year if you are willing to learn. For application call (201) 826-0079 or write Advance D.T. Dept. Edison Industrial Center Administration Bldg. 80, Route #1, Edison, New Jersey 08817.

Hay and Straw

For Sale—Hay 2nd cutting, mixed Clover and Timothy, Good Quality. Call Bernville, 488-6200.



Mail Box Market

FREE. Subscribers to Lancaster Farming will receive one advertisement Free each month in our Mail Box Market. Subscribers using the Mail Box Market will be governed by the following rules:

Limit your advertisement to 25 words; All advertisements must be in our hands by Thursday noon or same will be held over for next week's paper; No business advertisements accepted.

For Sale—AKC Dachshund puppies, black, 3 months old, wormed and shots; 30 pound market scales Phone 284-4001.

For Sale—1953 Chevrolet, good running condition, radio and heater Bucket to fit Sauder loader. 464-2427.

Miscellaneous

WOOD SHAVINGS. Ideal for work-ways and bedding. $12 per ton. Can be delivered in bulk loads of 10-12 tons. Less expensive than straw or tanbark. Contact Bob Geist at Leola Supply Co. Inc. Ph. 717-656-6811.

For Sale—45' x 75' frame barn (1859). Beautiful, pegged-together timber, beams, etc. Dry, clean, lumber. Fashionable. J. Blanchard Michael, R.D. #1, E. Stroudsburg, Pa. 18301, Phone 717-421-0427.

Business Opportunity

Business Opportunity
$500-$800 MONTHLY. Raise small laboratory—breeding stock for us. We supply equipment, breeders, and instructions. Illinois Research Farms Dept. TFL- 1, Barrington, Illinois 60010.

Dairy Equipment

Used 200 gal. Girton bulk tank
CLARK ELECTRIC
R1, Kinzers, Pa.
Ph: Intercourse 768-8228

Help Wanted

FARMER WANTED
Capable, experienced with beef, poultry and egg production Ninety acre, productive clay-limestone-soil farm in Snyder County Large, older, modernized house, large barn; other buildings—all in good condition. Close to main road. Work for salary, producing foods in slower, old-fashioned natural way — no chemicals, sprays, etc Become part of one of the oldest, best-known, soundest, fastest-growing natural food projects in the country. Tell of training, experience, age, family, references and hopes in first letter. Write Paul Keene, Penns Creek, Pa 17862.

Help Wanted—We need Salesmen with farm background Full time or can be handled along with your present farming operation. Write Box 266A, c/o Lancaster Farming, Lititz, Pa 17543.

Wanted — Experienced married man for dairy farm, large home, vacation with pay, good salary. Call 693-5713.

Wanted — Herdsman for Dairy Farm. Call collect, Airville 862-3970 or 862-3838.

Farm Equipment

John Deere 4020 w/Loader;
John Deere 1010 RU w/Loader.
SHOTZBERGER'S
Elm, Pa. 665-2141, 626-2258

2500 WATT Standby generator with 7½ h.p. B&S engine.
LESTER A. SINGER
Ronks, Pa. Ph. 687-6712

T-340 Crawler, gas-drott, 4 in one bucket. Phone 866-2138. Ask for Lee.

Livestock For Sale

Wanted to Buy—Red and White Holstein Heifer Calves. Karl Herr, Kirkwood RD1, Phone 529-2367.

Read Dairy Goat Journal. Monthly magazine. How to profit. Where to buy. Send $3. for one year. Box 836-A-62, Columbia, Missouri 65201.

For Sale — Registered Polled Dorset Ram Lambs and Ewe Lambs. Outstanding bloodlines. Nix Besser Farm, R.D. #2, Narvon, Penna. Phone A.C. 717-354-5640.

Wanted—Good milk goats due to freshen soon Robert Bair, R D #1, Box 393, Wrightsville, Penna

360 head of 40 lb feeder pigs wanted for week of January 11 or January 18 Phone 717-766-0744 ask for Mr. Hoover.

For Sale — Purebred Yorkshire boars, bred gilts and open gilts. Carcass championship bloodlines. Willow Glen Farm, R.D. 1, Strasburg, Pa. Ph. AC 717-786-2562.

For Sale—Yorkshire feeder pigs. Phone 215-286-9682.

STARK BRO'S Nurseries & Orchards Co.
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Stark Bro's Nurseries & Orchards Co
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Louisiana, Missouri 63353
( ) Rush New Color Catalog . FREE!
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R F D or St ____ st name ____ Zn ____ initia ____ last name
P O ____ State ____ Zip
Check Here for Free Mr. by Mail Only

WE SELL NEW USED WE SERVICE TRUCKS

USED — 69 Dodge A-108 Van
67 Dodge D-300 1-Ton Cab/Chassis
67 Chevy 3/4 Ton Pick-up
64 Dodge D-100 ½ Ton Pick-up

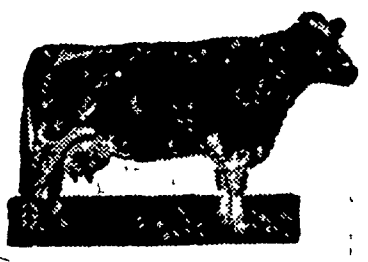
NEW — 71 Dodge Pick-ups and Vans
— 1/2 and 3/4 Tons in Stock

SPECIAL — Automatic Trans. FREE on Specially Equipped
D-100 ½ Ton Pick-ups

Savings Of Over $225.00

Horning **Dodge** *Inc.*
501 E. Main Street, New Holland, Pa. 17557
Phone 354-2184

NEW YEAR DAIRY COW SALE



50 HEAD

Black & White Holstein Farm, Lancaster, Pa.
Across from Comet Drive-In Theatre on U.S. 230 ByPass

on

Friday Night, January 15th at 8 o'clock Sharp

Will sell one load 25 head extreme top Canadian Registered Holsteins with lots of type, size and good udder development. Many of them classified with good production and B.F. records. One load 25 head of Minnesota Grade Holsteins, large size milky young cows with production to 80 lbs. daily.

All cows just fresh or close up springers.

Credit Terms Available

CHARLES MYERS, Owner

Abe Diffenbach, Auct.
H. Kettering, Pedigrees

YOUR PLACE TO BUY QUALITY DAIRY CATTLE

CLASSIFIED ADS

Farm Equipment

For Sale — Farmall Super A Tractor with plow, cultivator, mower, snow blade, chains; International 45 power takeoff baler, New Idea combination rake and tedder, Case rubber tired wagon with good bed, Case Sprocket cultipacker, John Deere disk (24); Int. disk drill, Smoker 24 ft. elevator; Spike tooth harrow, Electric clover seed sower; stripping room stove; some egg equipment, etc For appointment to look at implements call 656-7827 between 6 and 7 P M. Titus Martin, R#1 Bird-in-Hand, Pa. 17505

Wanted to Buy—Horse drawn two way sulky plow State condition and price. Contact Paul R. Martin, c/o LeRoy M Martin, New Holland, R.D. #1, Pa Box 626, 17557 Phone 354-6511

For Sale—Heavy chickens, 40c each Ducks 30c lb live weight Case horse drawn corn planter, John Deere grain binder, good condition, also one for parts, Belt pulley and 16 in track plates for PD-6 International crawler Call 656-7256.

Year End Sale on Ariens Snowmobiles. See us for reduced prices

Just Arrived!
Trailer load of Deluxe cabs to fit Case and John Deere Tractors
See us for your cab needs.

See You At The Farm Show
KINZER EQUIP. CO.
Kinzers, Pa Ph. 442-4186
Lanc Customers Ph. 768-8916
We are now open til 9 P M Tuesdays.

Farm Equipment

Manure spreaders—tractor and horse drawn
Feed Grinder-Mixers, Hammer mills
Tractors with loaders
Stalk shredders, disc harrows
Farmhand wheel rakes, roto-bar rakes.

CLYDE E. KEENER
Intersection of Rt 72 and 230
Phone 717-569-9861

NH 330 Spreader
Oliver PTO Spreader
New Holland PTO Spreader
AC D17 Gas Tractor
AC D17 Diesel Tractor
Oliver 550 Tractor w/loader
ROY H BUCH, Inc.
Ephrata, Pa 859-2441

Fickes Silos and Badger Feeding Equipment.
Speedy Corn Cribs
GRUMELLI FARM SERVICE
Quarryville Ph 786-3630

Farmall 400 diesel
240 Farmall
NH 130 PTO Beater Type Spreader
COPE & WEAVER CO.
New Providence 786-7351

Wanted — Store stock of all kinds. We pay cash. Write Store Stocks, Bob 351-A, Wrightsville, Pa.

Demonstrated Equipment
Case 12 ft. Stalk Shredder
NI Cutditioner
Case 480 Loader
Used Equipment
IH, NH, NI Spreaders
Case 430, 441
NI 702 Uni.
Ferguson T020 w/Loader
Case Backhoe Unit
A. L. HERR & BRO.
Quarryville 786-3521

For Sale—New Lil Colt Camper Caps for all size pick-up trucks
Late model Oliver 4-row Corn Planter
Farmall Super A Snowblade
Ferguson 30 Tractor
Schultz Stalk Cutter to fit 46 International Baler, A1 cond.
New Tractor chains. All sizes.
ELWOOD FLOWERS
Manheim RD2, Pa.
Phone 653-4839

ELEVATED CALF STALL — Simple to assemble, rigid construction. Reduces calf losses and upkeep. Labor saving removable grate floor partitions. Farmer and dealer inquiries invited. STANDARD EQUIPMENT, INC. Dept CS-6, Bel Air, Maryland 21014 (301) 838-4177.

Farm Equipment

PARTS BY THE THOUSANDS
Dismantling Cat. D2 thru D8, AC D5 thru 21, TD6 thru 24, Oliver Model E thru OC12 Generators, steering clutches, transmissions, final drives, chains, rollers, winches New & Used undercarriages for all makes.

Example	
Cat. D2 & 933-30 links	**$179.00**
S.F. roller	**45.90**
Cat. D4 & 955-31 links	**236.90**
S.F. roller	**63.90**
Cat. D6, 955 & 977-40 links	**383.90**
S.F. roller	**71.90**
A.C. HD5 & 6-33 links	**251.90**
S.F. roller	**59.90**
TD6—32 links	**184.90**
S.F. roller	**52.90**
TD9—33 links	**245.90**
S.F. roller	**59.90**
Case 1000—37 links	**351.90**
S.F. roller	**63.90**
John Deere 420/2010—35 links	**227.90**
S.F. roller	**61.90**
Oliver OC3, 4 & 6—30 links	**206.90**

ENGINES & POWER UNITS
USED TRACKS, ROLLERS, SPROCKETS
TRACK PRESS WORK
Loaders, Crawlers, Backhoes, A.C., Cat., Int., John Deere, Case for sale. If Not Listed Ask For It!
BEN LOMBARDO EQUIP. CO.
R.D.#6, Sinking Spring, Reading, Penna., 19608
Ph: 215-944-7171 or 678-1941/4092

DEUTZ 10 H P Rebuilt diesel engine equipped with clutch Guaranteed 90 days Price $600.00
STAUFFER DIESEL, INC.
Phone 354-4181

John Deere 4020 Ph. 866-2138. Ask for Lee.

See us for your Winter Overhaul Needs
Wanted—Full time Farm Machinery Mechanic
ALLEN H. MATZ, Inc.
New Holland, Pa. 354-2214

Massey Ferguson 1100 Diesel Tractor $4900;
Myers Snow Blade to fit on loader $150.00
M M WEAVER & SONS
Leola, Pa 717-656-7702

For Sale — Used snowmobile "Snow Prince," 1 year old, used 15 hours, electric start, 2 cylinder 19 H.P. engine After 6 P.M. call 626-5676.

For Sale—Pickup Truck, 1955 Chev ½ ton, excellent condition, Livestock rack Phone Bernville 488-6200

Farm Equipment

DEUTZ two-cylinder, direct injection diesel engines Very quiet, easy starting, 18-23 continuous H P. Price with stub shaft, $1472 00 installed on mounting Stauffer Diesel Inc, Phone 354-4181.

Used 1800 Oliver Gas Tractor
FARMERSVILLE EQUIP Inc
RD#2 Ephrata Ph 717-354 4271

Poultry & Supplies

For Sale—18 brower gas infrared brooder stoves in excellent condition Call 367-7354

Many Breeds of Goslings, Ducklings, Guineas, Chicks and Turkeys
HOFFMAN HATCHERY
Gratz, Pa 17030

Poultry & Supplies

SHAVER STARCROSS

LAYERS
Greider Leghorn Farms, Inc.
Phone 653-1855
MOUNT JOY R 1, PA

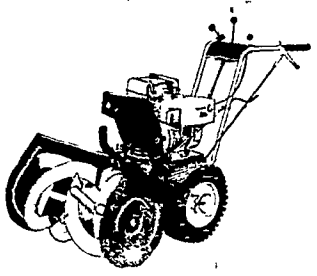
ANTHONY WHITE LEGHORNS
The strain of dependability.
Anthony layers produce strong shelled, large white eggs efficiently.
They perform well either as floor or caged layers.
Geo. M. Anthony & Sons Poultry Farm, Inc.
Strausstown, Pa. 19559
Tel. 215-488-6211
VISIT US AT THE PENNA. FARM SHOW BOOTH 737.

LONGENECKER'S HATCHERY

Box 317
Elizabethtown, Pa. 17022
Phone (717) 367-1545
KimberCHIKS
Day old and started pullets
- J. J. WARREN SEX-SAL DAY OLD AND STARTED PULLETS LEUKOSIS RESISTANT — GIVE THEM A TRY!
- WHITE MOUNTAIN CROSS BROILER CHICKS BROILER CHICKS WITH TOP PERFORMANCE

VISIT US AT THE FARM SHOW BOOTH P-13

LANCASTER SILOS
Starline Labor Savers
Feed Lot Planning
Sales & Service by
J. SAMUEL SHERER
Mt. Joy R2
Phone 717-653-5207
or 717-653-5208

snow wonder

Tired of shoveling? . . . it's snow wonder This winter get a new John Deere Snow Blower Three models to choose from 5- or 7-h p, 26- or 32-inch cut This winter, clear snow the easy way. See us soon
Wenger Implement, Inc.
The Buck
284-4141

HURST BROS. MILL
Grain & Fertilizers —
Sherwood Feed & Honeggers Big H Feed
A complete line of
HURST'S POULTRY and DAIRY RATIONS
East Earl, R. 1, Pennsylvania

AGRI-INC.
WATERERS
Peterson's Concrete - with Cast Iron Troughs
Fairfield Galvanized - with Stainless Steel Troughs
BEEF — DAIRY — HOGS
R. D. #2
Ephrata, Pa. 17522
(Farmersville)
Phone
Bus. 717-354-4275

Raising Baby Chicks and Started Pullets on Your Farm
Where Leukosis is a Problem?
We Recommend You Order
MUSSER'S M-327 CHICKS
Started and Matured Pullets and Yearling Hens and Breeding Cockerel
WHY? Because our breeding and our resistance program on our farm has given us three distinct controls over coccidiosis and leukosis.
FOR COMPLETE INFORMATION CALL COLLECT
MUSSER LEGHORN FARMS
Box 116, Mount Joy, Pa. Phone 653-4911
1916 — 54 Years — 1970

Correspondence Courses

One of your resolutions for 1971 could be "I'll entertain more and try to make it simple"

To help you meet your goal you may want to study a correspondence course on entertaining

Pennsylvania State University offers a correspondence course designed to make entertaining simple The course includes numerous menus and recipes for company breakfasts, dinners, buffets, smorgasbords coffee hours, and teas It gives suggestions for table decorations, games for schoolage parties, and suggests correct clothing for various occasions In fact, it covers just about every party occasion.

For the complete Guides to Entertaining course, send $4 25 to Entertaining, Box 5000, University Park, Pa 16802 Make your check or money order payable to PENN STATE.

Consumer Program Set At Farm, Home Center

Sometimes perplexed in the supermarket?

Try a self guided tour through the supermarket by Mr Harold Neigh, consumer economics specialist of the Pennsylvania State University Cooperative Extension Service.

Neigh will present slides and conduct a discussion to help Homemakers become more familiar with the supermarket and its facilities

If one knows her supermarket, she can shop much more efficiently and easily.

How about joining us at the Farm and Home Center on February 2 at 7 30 p m in the Extension Training Center, explains Miss Joan Lucas, assistant Extension home economist

Underpass Will Help

A seldom used underpass will see plenty of action during the 1971 Pennsylvania Farm Show which opens in Harrisburg Monday

Horace L Mann, Farm Show director, said chartered buses will discharge passengers at the entrance of the underpass on North Cameron Street

"Passengers will be able to scoot underneath the heavily traveled street," Mann said "They'll be safe and won't have a long walk to the Show buildings"

After unloading their passengers, the buses will park at a site a mile away from the Show

Mann said bus drivers will be transported to and from their buses and the Farm Show complex

Farm Show Entries

The Farm Show complex at Harrisburg will be bulging at the seams with animals next week, the week of the 55th annual Pennsylvania Farm Show

Horace L Mann, Farm Show director, said there are 2,240 animal entries and 2,318 poultry entries

Animal entries are 738 beef cattle, 308 swine, 479 sheep, 79 horses and 636 dairy cattle

Poultry entries are 1,052 large fowl, 941 bantams, 182 ducks 80 geese, 38 turkeys, and 25 4-H - Vocational fowl.

READY FOR BALANCED FEED

NO. 701 GREEN PASTURES PIG STARTER PELLETS!

Just the feed for us Piglets to Grow on!

How To Use:—

Start Creep feeding No. 701 when pigs weigh 5 lbs. or are 7 days old and feed through 6th week when pigs should weigh about 35 lbs.

Amount Required

15 to 20 lbs. per pig.

Feed Per Lbs. Of Gain During This Period

1.25 to 1.50 lbs.

Field Tests Indicate:—

1. More uniformity in pigs, fewer runts.
2. More economical gains. Heavier pigs at 8 weeks.
3. Pigs may be weaned at six weeks. This gives more time for proper conditioning of sow before re-breeding.
4. Easier to maintain farrowing schedule.

MOST PALATABLE FEED WE HAVE

"Sweet as a good muffin"

If we can help you design a profitable program for your swine enterprise or aid you in problems relating to swine management or nutrition see your MILLER & BUSHONG SERVICE Representative or call us direct at Lancaster 392-2145.

GREEN PASTURES LIVE STOCK FEEDS

MILLER & BUSHONG, Inc.

Rohrerstown, Pa.

717-392-2145

"FINEST SERVICE ANYWHERE"

19 Lancaster County FFA Members Get Keystone Degree

Nineteen Lancaster County FFA students have been named to receive the Keystone Farmer degree in conjunction with the 55th Pennsylvania Farm Show in Harrisburg next week.

The Keystone degree cannot go to more than one farm boy in 50 in Pennsylvania. A total of 181 Keystone degrees will be granted this year in the Forum of the Education Building at the Farm Show Wednesday

The Keystone Farmer degree is the highest FFA degree at the state level and is awarded for outstanding achievement in agriculture and in rural life.

Henry Givler, area FFA agricultural supervisor, reported that each Keystone Farmer must have satisfactorily completed at least two years of instruction in vocational agriculture, demonstrated marked leadership, earned and invested at least $500 productively and attained satisfactory achievement in improving the farm's efficiency or his home farm's comfort.

The names and addresses of the 19 Lancaster County Keystone winners by school are as follows.

Eastern Lancaster County High School (New Holland) — Alvin Schlouch, Narvon RD1; Robert W. Campbell, Narvon RD2; Larry Horst, Leola RD1; Jacob Musser, East Earl RD1, and Carl Weaver, New Holland RD1.

Schlouch was also named Region II Star Agribusiness winner

Ephrata High School—Marlin Bollinger, Denver RD2, Thomas A. Bollinger, Lititz RD4; Clark R Stauffer, Ephrata RD1, and Jay C. Zimmerman, Ephrata RD1

Solanco High School—Roger L. Campbell, Kirkwood RD1; Thomas D. Huber, Peach Bottom; Carl D. Kreider, Quarryville RD1; and Scott J Kreider, Quarryville RD1.

Manheim Central High School —Wilmer Groff, Manheim RD4, and Dale Nolt, Manheim RD1

Warwick High School — Kenneth E. Grube, 917 Pine Hill Road, Lititz, and Gerald Lee Martin, Lititz.

Penn Manor High School — William Landis, Lancaster RD6, and Donald W Witmer, Washington Boro RD1

Barry Gordon Dunn, Cochranville RD2, of Octorara High School, also was named from Chester County

In addition, Cloister FFA Chapter of Ephrata High School is the Pennsylvania Proficiency Award Winner in Chapter Farm Safety for the 1969-70 school year and will receive recognition at the Farm Show The chapter received a gold medal in safety at the National FFA Convention the past summer in Kansas City as the Pennsylvania safety award chapter.

Clark Stauffer

A senior member and sentinel of the Cloister FFA Chapter, Clark Stauffer is the son of Mr. and Mrs. Aaron Stauffer, Ephrata RD1.

Last year he won a gold medal in meats judging at the State FFA Convention and went on to win a silver medal at the National FFA Convention

His farming program includes 115 market hogs, three market lambs, one angus steer, five acres of field corn and one acre of tobacco.

He has shown his animals at the Ephrata Fair, the Pennsylvania Livestock Exposition and the State Farm Show, winning several awards. Last year, he won an Angus steer the Ephrata Jaycees annually award a member of the Cloister Chapter.

Clark Stauffer
Cloister Chapter

Active in sports, he was a member of the Ephrata Soccer team in 1968 and 1969 He is a member of the Lancaster County 4-H Baby Beef and Lamb Club

Thomas D. Huber
Solanco Chapter

Thomas D. Huber

Thomas David Huber, son of Mr. and Mrs David S Huber, Peach Bottom, served as treasurer of the Solanco FFA Chapter

His projects consists of Holstein cows, feeding hogs and corn

He is now farming in partnership with his father and brother James. The family herd consists of 135 head, including 89 cows and 46 heifers and calves which are owned by Tom and Jim

Tom is a member of the Little Britain Presbyterian Church

Gerald Martin
Warwick Chapter

Gerald Martin

Gerald Martin is a son of Mr and Mrs Amos Z Martin, Lititz His farming program consists of veal calves, sheep, hogs, and corn

He is vice president of the Warwick Chapter and served as vice president of the County FFA

Martin participated in county area, regional and state public speaking contests He has attended farmer cooperative institutes on the county, state and national level He attended the 1969 National FFA Convention as a Chapter representative.

He is a member of the National Honor Society and has played on the baseball team He plans to attend Penn State University and major in Agricultural Education

Ken Grube

Kenneth Grube is the son of Mr and Mrs Elmer D Grube, 917 Pine Hill Road, Lititz His farming programs have consisted of veal calves, three pureb.ed Guernseys, sheep, tobacco and field corn

Concentrating on the dairy animals, he has participated in local and state shows

He attended the National Convention in 1969 and has participated in many local and state judging contests He has also taken part in parlimentary procedure, being president of the team as a freshman and junior.

He is a junior director of the Lancaster County Soil and Water

Ken Grube
Warwick Chapter

Conservation District He is currently serving as president of the Warwick FFA Chapter He is a member of the National Honor Society, and will be attending Delaware Valley College of Science and Agriculture, majoring in Dairy Science.

Carl Weaver

Carl Weaver son of Mr and Mrs John M Weaver, New Holland RD1, was a local delegate to the National FFA Convention at Kansas City He has served as both chaplain and secretary in the Grassland FFA Chapter and as a delegate to the County FFA

Carl Weaver
Grassland Chapter

Weaver has been a county participant in the public speaking contest and a local and county participant in the parliamentary procedure contests He has been a member of both the local and state FFA chorus He was winner of the chain gilt and has shown hogs at Lancaster

His present farming program consists of three sows 25 fattening swine, one heifer 20 veal calves, and 2 000 breeder chickens

He is also active in the Ephrata Mennonite Chorus and is a member of the youth group at Weaverland Mennonite Church

Scott Kreider
Solanco Chapter

Scott Kreider

Scott Kreider, son of Mr and Mrs Allen Kreider, Quarryville RD1, is serving as president of the Solanco FFA Chapter and has served as chaplain

His FFA projects consist of five Holstein dairy animals, five acres of wheat, five acres of corn and five acres of alfalfa He has also grown tobacco and tomatoes during his FFA years

The home farm consists of 470 acres plus 120 acres of rented land They are presently milking 107 Holstein cows He is a member of the Mechanics Grove Church of the Brethren

Alvin Schlouch

Alvin Schlouch Jr., son of Mr and Mrs Alvin Schlouch Sr., Narvon RD1, recently was named Regional Star Agribusinessman

He is recipient of the FFA Foundation Award for Farm Mechanics and the FFA Foundation Award for Agribusiness He is working on a dairy farm after school and full time in the summer. His work involves milking cows, driving tractor, driving truck, plowing, general field work and most other types of work done on the farm

He is winner of the local, county, and area tractor driving contests and was a finalist in the state tractor driving contest He also won the local, county and area small gas engine contests and was silver medal winner in the small gas engine contest at Penn State.

He was a participant in the state record book contest, attended the State FFA Convention for two years and was a local delegate to the National FFA Convention

Alvin Schlouch
Grassland Chapter

Tom Bollinger

Tom Bollinger, son of Mr and Mrs Abram Bollinger Lititz RD4, is a twelfth grade member of the Cloister FFA Chapter. He is Chapter president and was County FFA secretary

Last year, he was named Star Chapter Farmer This summer he won a silver medal in dairy judging at the State FFA Convention at Penn State. Last year, he attended the National FFA Convention as a chapter delegate

Tom Bollinger
Cloister Chapter

He has shown his livestock and won awards at the Ephrata Farm Show, district and state dairy shows and the Pennsylvania Livestock Exposition At the Ephrata Fair, he won the Chapter and area tractor driving contests

His farming program includes: four registered Holstein cows, one Angus steer, five Hampshire breeding sheep, three market lambs, 10 acres of field corn and one-half acre of tobacco

Roger Campbell

Roger Campbell is the son of Mr and Mrs Raymond Campbell, Kirkwood RD1. His farming program includes two Holstein cows, veal calves, corn and small grains He lives on a

(Continued on Page 22)

Lancaster Farming
SECOND SECTION

31 Associations Schedule Meetings During Farm Show

Thirty-one agricultural organizations—involving practically everything from soup to nuts—have scheduled meetings in Harrisburg during Farm Show week, January 11-15

Nineteen of the sessions will be held in the Farm Show complex, according to the program of the 55th Pennsylvania Farm Show

The groups will range from beekeepers to nut growers, and flying farmers to vegetable growers, but with livestock associations dominating the meeting scene

The Show is open from 8 a m to 9 p m Monday through Thursday, and from 8 a m to 4 p m Friday

The meeting schedule with the organization's time of meeting and location are as follows

Pennsylvania Angus Association—7 30 p m Tuesday, January 12, dinner meeting at Schindler's Restaurant 451 N 21st Street Camp Hill

Pennsylvania Ayrshire Breeders Association — 3-5 p m Monday, January 11 business meeting, Room E, Main Show Building

Pennsylvania State Beekeepers Association—9 a m Monday, January 11, business meeting, Room 309, Department of Agriculture Building, 1 p m, election of officers, 6 30 p m, Banquet, Colonial Park United Church of Christ, 5000 Devonshire Road

Pennsylvania Berkshire Breeders Association—2 p m Monday, January 11, business meeting, Room B, Main Show Building

Pennsylvania State Brown Swiss Association—2 p m Wednesday, January 13, business meeting, Room D, Main Show Building

Pennsylvania Charolais Association—6 p m Wednesday, January 13, annual meeting, Room B, Main Show Building

Pennsylvania Chester White Swine Breeders Association — 11 a m Monday, January 11, business meeting, Room D Main Show Building

Pennsylvania Christmas Tree Growers Association — 28th annual winter meeting, Penn Harris Motor Inn, 4 p m Sunday, January 10, directors meeting, Susquehanna Room, 8 30-12 Noon Monday, January 11, registration educational sessions, Cumberland Room, 1 30 p m, business meeting, elections 6 30 p m, banquet, Susquehanna Room, Speaker Theron R Stone, Vice President, National Christmas Tree Growers Association, West Olive, Michigan 9 a m -12 Noon Tuesday, January 12, Educational Sessions Panel Discussions, Cumberland Room

Pennsylvania Crop Improvement Association, Inc.—1 p m Wednesday, January 13, general membership meeting, Foods and Chemistry Library, Department of Agriculture Building, election of directors, 6 30 p m, corn growers banquet, Department of Agriculture Cafeteria, Recognition of Winners Pennsylvania Five-Acre Corn Club, Pennsylvania One - Acre Corn Contest, Address "Corn Blight and Why"

Pennsylvania Dairymen's Association — 100 Year Celebration Honoring Charles E Cowan Tuesday, January 12, Penn Harris Motor Inn, Camp Hill, 6 15 p m reception, 7 p m banquet

Society of Farm Women of Pennsylvania — 52nd Annual State Convention Monday, January 11 10 a m opening ceremonies, The Forum, Education Building, 4-6 p m social hour, Scottish Rite Cathedral, 2701 N Third Street, 6 p m banquet, Scottish Rite Cathedral 9 a m Tuesday, January 12, annual business meeting Room F, Main Snow Building, Elections

Pennsylvania Flying Farmers Association — 10 a m -12 Noon Wednesday, January 13, meeting, Room E, Main Show Building

Future Farmers of America—8 30 a m Monday, January 11, executive council meeting, Room 321, Education Building, 8 30 a m Tuesday, January 12, executive council meeting reconvenes, 8 30 a m Wednesday, January 13, executive council meeting reconvenes, 12 30 p m. Annual Awards Convention The Forum, Education Building, concert, State FFA Band, opening

(Continued on Page 19)

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- Lely Fertilizer Distributors
- C A. McDade Co. 361-362; 369-370
- Hamilton Equipment
- J. S Woodhouse Co. Booth 378-385

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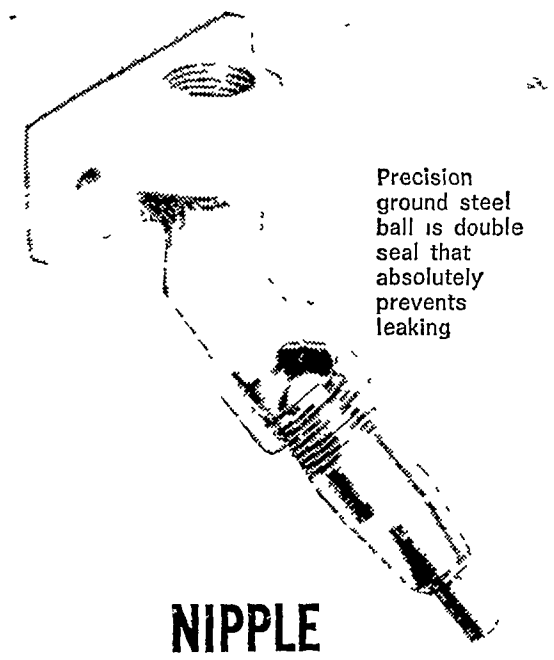

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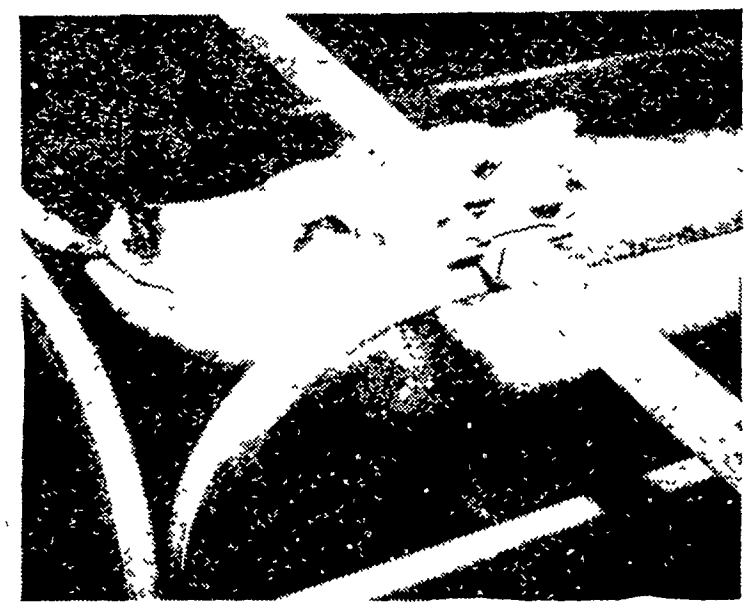

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Associations Schedule Meetings

(Continued from Page 18)

ceremony, address, Honorable Reno H Thomas, Representative, Pennsylvania Legislature, conferring Honorary Keystone Farmer Degrees, presentation of FFA citations; introduction of American Farmers, presentation of Agriculture Proficiency Awards, conferring of Keystone Farmer Degrees, Star Farmer and Star Agribusinessman Ceremonies; closing ceremony

Future Homemakers of America — 1 p m Monday, January 11, executive council meeting, Room 103, Executive House, 9 a m. Tuesday, January 12, executive council meeting reconvenes; 6.30 p m, Red Rose Dinner, Penn-Harris Hotel, Third and Walnut Streets, Harrisburg. 9.30 a m. Wednesday, January 13, annual winter meeting, The Forum, Education Building, opening ceremony; greetings, reports, conferring of honorary memberships, conferring of State Homemakers Degrees, closing ceremony

Pennsylvania Guernsey Breeders Association — 40th Annual Meeting, Scottish Rite Cathedral, 2701 N Third Street, 10 a m Tuesday, January 12, business meeting, business manager's report, election of officers and four directors; 12 Noon, Banquet; William H Juzi, toastmaster; music, Bob Aulenbach Trio, address: "Herd Management," Clinton E Meadows, Dairy Extension Specialist, Michigan State University, slide presentation, Dr. Samuel B Guss, Pennsylvania State University; presentation of production and show awards.

Pennsylvania Hereford Association, Inc.—11 a m Wednesday, January 13, business meeting, Room B, Main Show Building; election of officers

Pennsylvania Horse and Mule Association — 7 30 p m Tuesday, January 12, business meeting, Room E, Main Show Building, election of officers, address John Taft, Mechanicsburg, Illinois, address John Faidley, Hershey Farms, Hershey

Pennsylvania Jersey Cattle Club, Inc. — 1 30 p m Wednesday, January 13, business meeting, Office No 2, Large Arena Building, address V L Peterson, field representative, American Jersey Cattle Club, Marshall, Michigan, address Dr Max Lowe, regional director, American Jersey Cattle Club, Plainfield, Indiana

Pennsylvania Landrace Swine Breeders Association — 11 a m Wednesday, January 13, business meeting, Room E, Main Show Building, election of officers.

Pennsylvania Maple Producers Council—1 p m Thursday, January 14, business meeting, Room 309, Department of Agriculture Building

Pennsylvania Farmers Milk Jugging Association, Inc. — 1 p m Wednesday, January 13, business meeting, Room C, Main Show Building

Pennsylvania Nut Growers Association — 10 a.m Thursday, January 14, business meeting, Office No 2, Large Arena Building; educational program, election of officers

Pennsylvania Cooperative Potato Growers, Inc. — 55th Annual Potato Industry Meeting, 6 p m Thursday, January 14, annual banquet, Penn-Harris Motor Inn Ballroom.

Pennsylvania Poultry Federation — 2 p m Wednesday, January 13, business meeting, Room 309, Department of Agriculture Building, Address Dr Robert F Gentry, Poultry Science Department, Pennsylvania State University, 6 30 p m, banquet, Penn-Harris Motor Inn Camp Hill, Address Dr W Hartzell Wilson, Denver, Colorado

Pennsylvania Raw Milk Producer-Distributors Association— 1 30 p m. Monday, January 11, business meeting, Office No 2, Large Arena Building

Pennsylvania Rural Electric Association — 8 30 a m Wednesday, January 13, Sixth Annual Winter Meeting, PREA Office, 112 N Second Street, Harrisburg; business meeting, election of officers

Pennsylvania Co - operative Sheep and Wool Growers Association— 2 p.m Tuesday, January 12, business meeting, Room B, Main Show Building

Pennsylvania Suffolk Sheep Association — 6 p m Monday, January 11, business meeting, Room D, Main Show Building; slide presentation, 1970 England Tour, Henry Easterbrooks, Dudley, Massachusetts

Pennsylvania Cooperative Swine Breeders Association — 7 p m, Monday, January 11, business meeting, Room B, Main Show Building, Tuesday, January 12, Swine Sales Sponsorship, Small Arena; 10 a.m., Spotted Swine, 11:30 a m, Poland China; 1 p m, Chester White; 2·30 p.m, Berkshire; Wednesday, January 13, 10 a.m., Duroc; 12·30 p.m., Hampshire; 2:30 p m, Landrace; 3:30 p.m, Yorkshire; 7.30 p m, dinner and executive committee meeting, Capitol Motel.

Pennsylvania Vegetable Growers Association—10 a.m. Wednesday, January 13, meeting, Room F, Main Show Building

Pennsylvania Yorkshire Cooperative Association, Inc. — 2 p m. Tuesday, January 12, annual meeting, Room F, Main Show Building, election of officers and directors.

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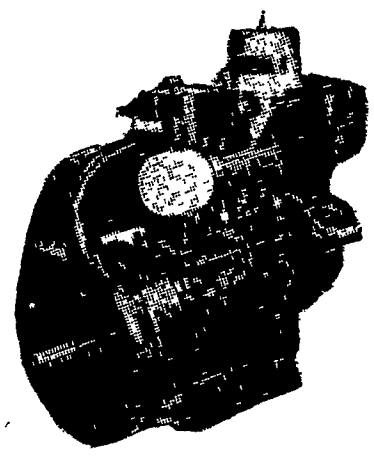

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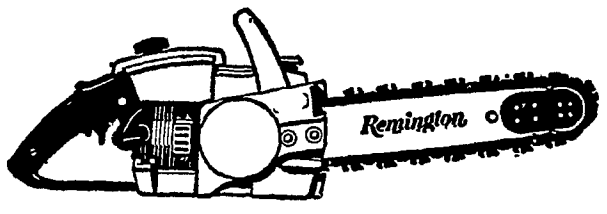

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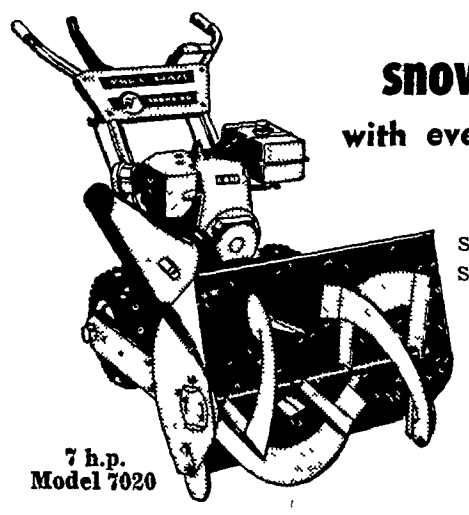

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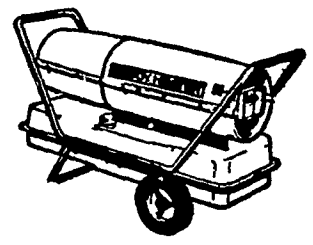

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Across the Editor's Desk

Lighting Up Profits

A recent issue of "Electricity on the Farm" gave the following explanation of how proper use of lighting can make a big difference in profits

It was supper time and Fred Williams had just finished collecting eggs from his 10,000 hens As he left the poultry house, he turned the lights off Doing so may have cost him $2,000.

Improper lighting can decrease production by over a dozen eggs per bird per year Even at only 25 cents a dozen, this doesn't take long to add up to a sizeable sum

The amount of light hens receive has a great effect on egg production rate egg size and the total number of eggs each hen will lay.

Dr J V Shutze, of Colorado State University's Poultry Science Department, found that lighting plays an important part in a poultry operation's profits — it can make a difference of as many as 16 eggs per hen during a laying cycle

He ran 12 different lighting tests on white leghorn pullets Pullets given light for 16 hours a day had a lower egg production rate than those receiving more light A group that started on 22 hours of light with a gradual decrease to 16 and then a gradual increase back to 22 hours had a good increase in egg production.

One of the best lighting systems Dr Shutze studied starts the pullets at 16 hours of light with a slight decrease each day until 9 hours are reached The day after the pullets reach the nine-hour level, they are abruptly increased to a 16-hour level and kept at this level for the remainder of their laying cycle

Birds on this 16-hours-of-light-per-day schedule showed the sharpest increase in production They were 168 days old when they reached 10 per cent production and ten days later had reached 50 per cent

Proper lighting not only delays the first egg until the pullet is mature, but it can also enable the pullets to reach flock production level in a shorter time Therefore, if you are losing money on small eggs because your pullets start laying when they were too young, controlled lighting may be your solution Hooking lights to a time clock will make sure your pullets are getting the right amount of light each day.

Check with your county agent, state college extension specialist or local power supplier Any one of them will help you decide which lighting system best fits your set-up. Having the right lighting system will mean greater returns from your investment

Farmer Reacts to Blight

The following report in the November Agri-News, a recently established publication of Geigy Agricultural Chemicals, points out how the Southern Corn Blight hit many Midwestern farmers While this Lexington, Ill, farmer isn't at all discouraged about the future, he is taking some steps to minimize any possible damage next year from the blight

"The corn looked wonderful until the first week of August Then it came I couldn't believe what was happening I would walk in the fields each day and watch it move It was really moving fast."

That's how Ivan Gleeson, Lexington, Ill, describes the invasion of the southern corn leaf blight, which has cost him and his brothers Harvey and Paul at least 25 per cent of their yield.

The Gleesons, who grow 1,800 acres of corn, say they will be lucky to get an overall yield average of 100 bu per acre That's considerably below their normal yields, but higher corn prices will likely offset part of the yield reduction The situation could have been worse, as Ivan related to **Agri-News:**

"The 240 acres we planted in April were ahead of the blight You couldn't compare the same numbers planted in April and May Early planting saved part of our crop

"Most often in the past corn planted in April has produced a better yield and was of better quality than the same kind planted in May

'Fields we planted between May 9 and May 17 had the worst blight We will probably harvest 70 bushels per acre in these fields"

The Gleesons used several varieties of corn this year There is a world of difference in how blight affected each variety Some numbers that have been their best yielding corn have been hurt the most

They don't plan to drastically change their program for next year, but some new kinds of corn will go into the ground, Ivan explains:

"We will be seeking varieties that are resistant to blight. They will probably lower our yield, but we can't afford to take a chance on the blight Varieties hurt most by blight will not be used any more.

"I think we will see seed companies going back to hand detasseling. This year hand detasseled corn took the blight remarkably well. Stalk quality and yield was good.

"I think plant breeders will overcome blight just like they overcame other problems After we suffer the losses from this blight we will be better off in years to come We've had problems before and we've always come out ahead"

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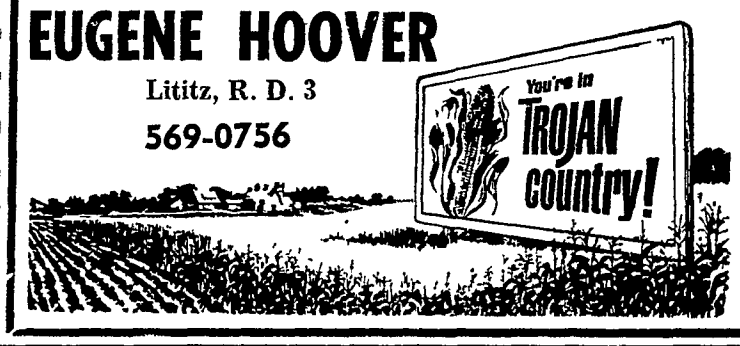

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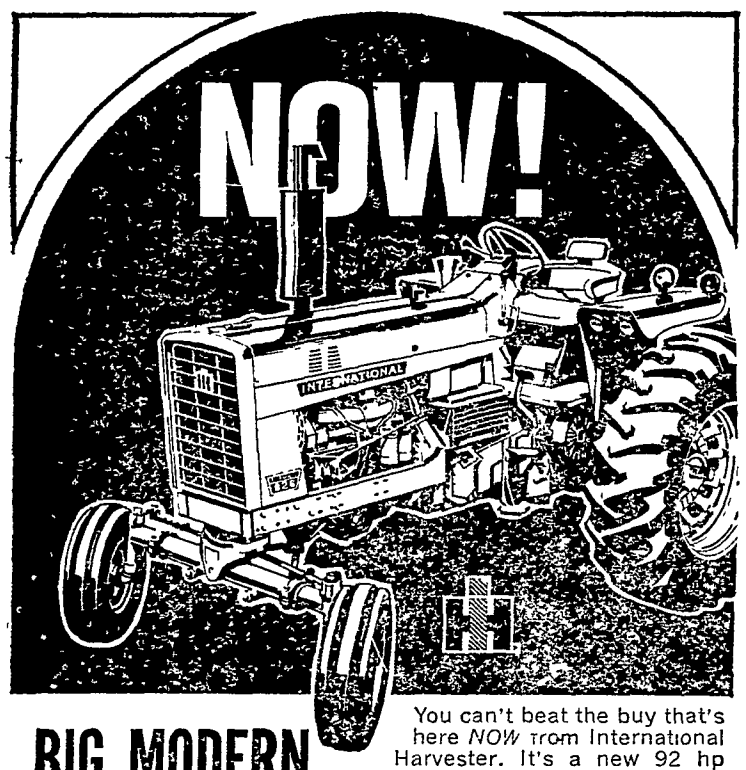

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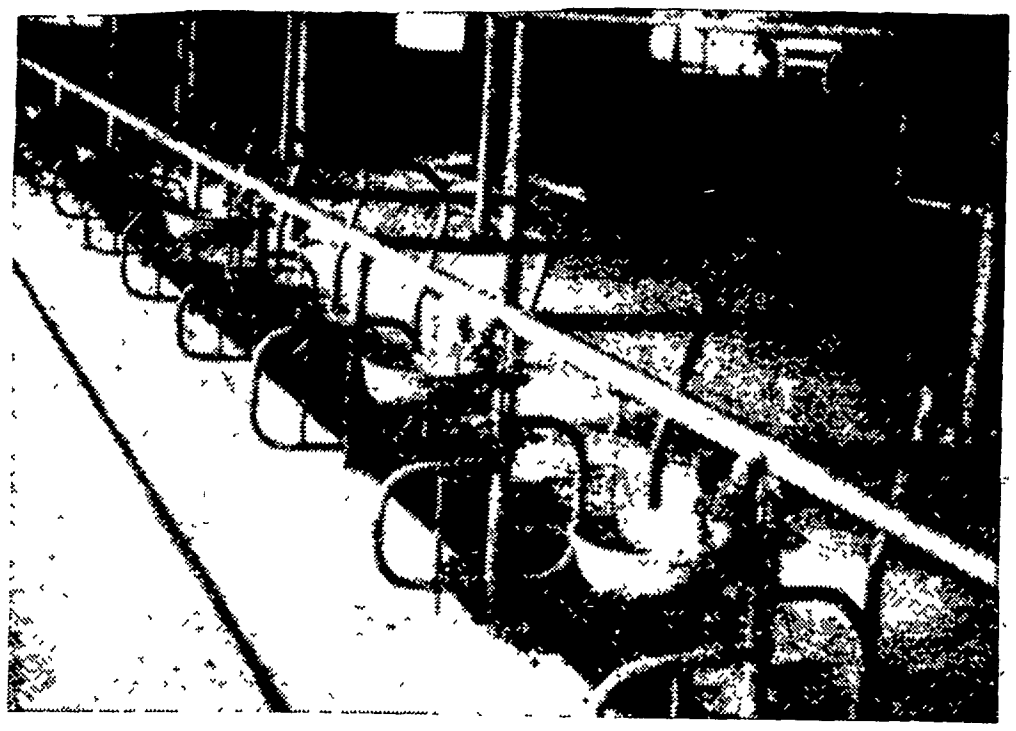

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USDA Plans Pilot Study To Reduce Pesticide Use

The U S Department of Agriculture has been discussing a proposed plan with agencies of North Carolina that would implement a cooperative experiment in reducing the amount of pesticides used during next year's growing season State officials have been receptive to the plan.

This pilot test, being proposed by USDA's Agricultural Research Service, would be in cooperation with the Federal Extension Service, State Extension Service, State Department of Agriculture and the University of North Carolina.

The test will key pesticide use by farmers to real needs for pest control, as determined by trained scouts who will survey tobacco fields and possibly other crops for threats by insects, weeds, and plant disease

Many farmers now simply apply pesticides, particularly insecticides, on pre-determined schedules that are known to keep pests under control

"We expect scouting not only to reduce the uses of pesticides, but the costs of pest control," Dr Francis J Mulhern, ARS associate administrator, said "Farm use of this technique in cotton-producing areas of Arizona, Arkansas, and Alabama has demonstrated that reduced use of pesticides, which lessens the chance of contaminating the environment, and the savings in pesticide and applications costs, are greater than the added costs for scouting services"

If the test results are promising, the Department expects to work with other States and farmers growing other crops to develop similar programs. This approach to pesticide use management could become a standard agricultural practice, USDA experts believe.

Tobacco was selected for this first test because it is a crop that is intensively farmed, has required high use of pesticides, and is usually grown in small acreages that do not usually lend themselves to scouting

This experiment was recommended by a State Federal committee on pesticide use management appointed by Secretary Hardin, which said that the present system provides no supervision and control of the use of pesticides beyond the formulator level The committee also recognized that considerable misuse of these agricultural production tools occurs at the farmer level This misuse is rarely deliberate, but results primarily from the lack of the necessary expert advice readily available to the farmer

The committee felt that the major misuse was in using pesticides when they were not needed The pilot test, therefore, will involve using scouts to determine pest populations in the field and so provide a basis for specific control recommendations to the farmer This would eliminate pesticide use when economically unnecessary and insure that the farmers know the proper pesticide to use for particular pest species

Plastic Milk Bags

The Associated Press recently reported the use of unbreakable, see-through plastic bags for selling milk

Bagging milk is reported to be a simple process involving two machines that cost $12,000 with less than a penny each for the bags

According to Richard Hoffman, a Montgomery County dairyman using the procedure, "We are convinced that bagging is going to become the accepted procedure in the future"

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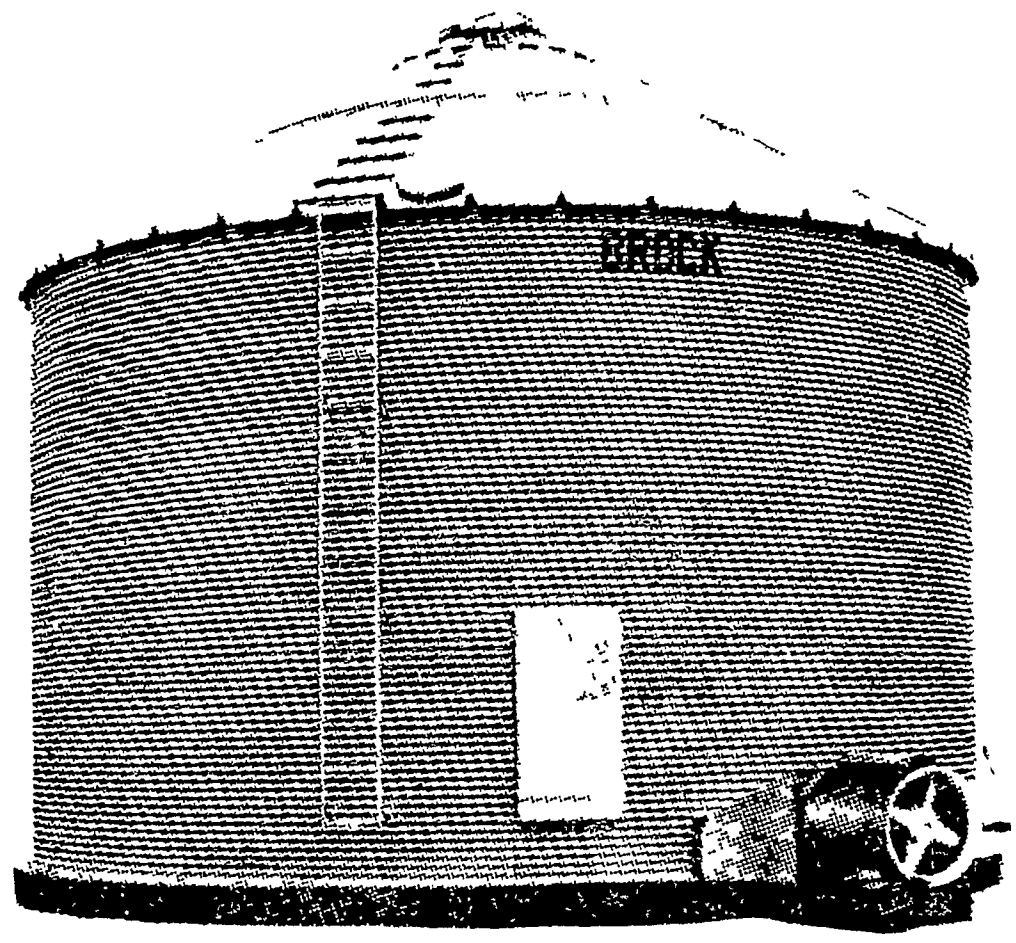

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19 Lancaster County FFA Members Get Keystone Degree

(Continued from Page 17)

Roger Campbell
Solanco Chapter

135 acre dairy farm in Southern Lancaster County.

Currently vice president of the Solanco FFA Chapter, he has served as assistant reporter, county delegate, and county chaplain.

He has received the Star Greenhand and the Star Red Rose Farmer award.

He is a junior director of the local Soil Conservation District board and president of the Solanco Dairy Club.

Jacob Musser

Jacob W Musser is a son of Mr and Mrs Jacob H. Musser, East Earl RD1 He is a youth director for the Lancaster County Soil Conservation Service.

He participated in parliamentary procedure contests on both the local and county level, and placed second in the County in the public speaking contest He attended the National FFA Convention at Kansas City.

Jacob Musser
Grassland Chapter

Musser is president of the Grassland FFA chapter and previously served as reporter. He is chairman of the supervised farming program of work and chairman of the guest committee for the Parent and Son Banquet. He is a member of both the local and state chorus.

His farming program includes veal calves, capons, 200 breeding guinea pigs, sheep breeding, sheep fattening, feeder steers, and one acre of alfalfa.

Outside activities include the New Holland 4-H Baby Beef Club, member of the Ephrata Area Chorus, and president of the youth group of the New Holland Mennonite Church.

Jay Zimmerman

One of the highest accomplishments of Jay Zimmerman, son of Mr. and Mrs James Zimmerman, Ephrata RD1, was his designation this year as County Star Farmer. He attended the National FFA Convention for the second time through a trip he won as County Star Farmer.

A twelfth grade member of the Cloister FFA, he holds the office of secretary He has won two gold medals in meat and dairy judging at the State FFA Convention at Penn State University. He won a silver medal in national meats judging.

His farming program includes: a registered herd of six Holsteins, 30 veal calves, three market lambs, six market hogs and

Jay Zimmerman
Cloister Chapter

10 acres of field corn Zimmerman has exhibited his animals at the district and state dairy shows, Ephrata Farm Show, and Pennsylvania Livestock Exposition, winning various awards

Robert W. Campbell

Robert W. Campbell, son of Mrs. Jean E Campbell, Narvon RD2, is a member of the Atlantic Breeders Cooperative and a member of the Ayrshire Association.

He is owner of eight Ayrshire cows, three registered Ayrshire heifers, and nine breeding ewes. He rents 125 acres of farmland on which he raises corn, hay and tobacco.

Campbell was recipient of a Jaycee sheep and a participant in the Livestock Exposition sheep show. He participated at the All American dairy show and was a ribbon winner at both the Regional dairy show and the Ephrata dairy show. A local delegate to the National FFA Convention, he also served his

Robert W. Campbell
Grassland Chapter

local Chapter on the leadership committee, menu committee and ticket committee for the FFA Banquet, and a member of the FFA parliamentary procedure team.

(Continued on Page 23)

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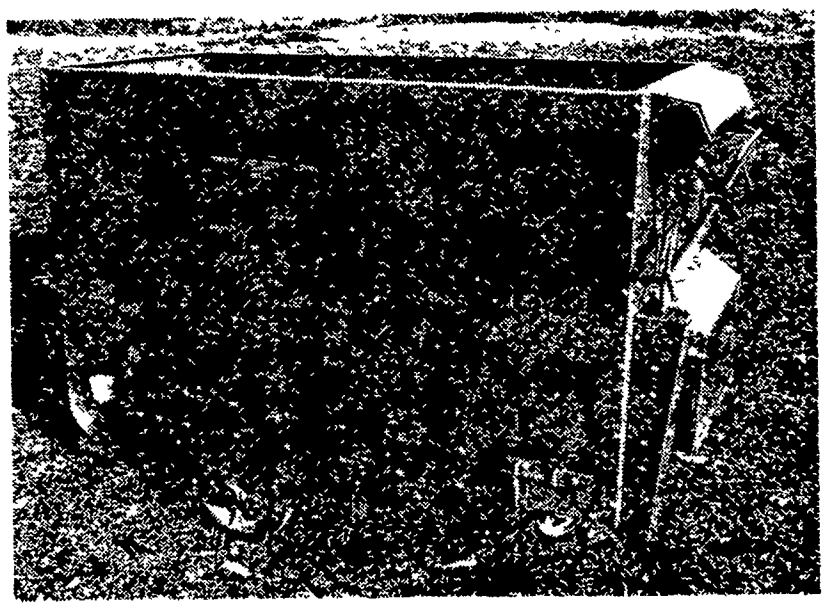

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(Continued from Page 22)

Dale Nolt
Manheim Chapter

Dale Nolt

Dale Nolt, son of Mr. and Mrs. Martin R. Nolt, Manheim RD1, is president of the Manheim FFA Chapter. He served as chapter secretary during his junior year.

He is a junior member of the Soil and Water Conservation Board.

His farming projects are 15 brood sows, 15 ewes and one ram, and record keeping projects on field corn and laying hens.

During both his sophomore and junior years he received a silver plaque for project book records and attended the 1970 National FFA Convention at Kansas City.

William Landis

William Landis, son of Mr and Mrs J. E. Landis, Lancaster RD6, has been active in both FFA and sports at Penn Manor High School.

Now president of the Penn Manor FFA Chapter, Landis also served as reporter of the County FFA, vice president of the Chapter last year as a junior, general committee chairman and TV committee chairman

Landis received the Red Rose Farmer degree and Star Farmer from the Penn Manor Chapter He served as delegate to the County FFA and won the Creed Contest in the Penn Manor Chapter.

An active wrestler, Landis was a member of the High School wrestling team throughout his high school career as well as track during his junior

William Landis
Penn Manor Chapter

year and cross country during his junior and senior years Active in his church youth group, he plans on attending college after completing high school

Larry Horst

Larry L Horst, son of Mr and Mrs. Melvin H Horst, Leola RD1, has received one chain gilt, one co-sponsored steer and two Jaycee hogs He is a youth director of the Soil Conservation Service.

His farming program consists of swine fattening, swine breeding, beef fattening, sheep raising, corn and tobacco.

Horst has been an active officer in both the Grassland FFA and County FFA, serving as second vice president, sentinel and student adviser of the chapter; delegate and sentinel on the county level, and delegate at the state and national level.

Larry Horst
Grassland Chapter

Wilmer Groff

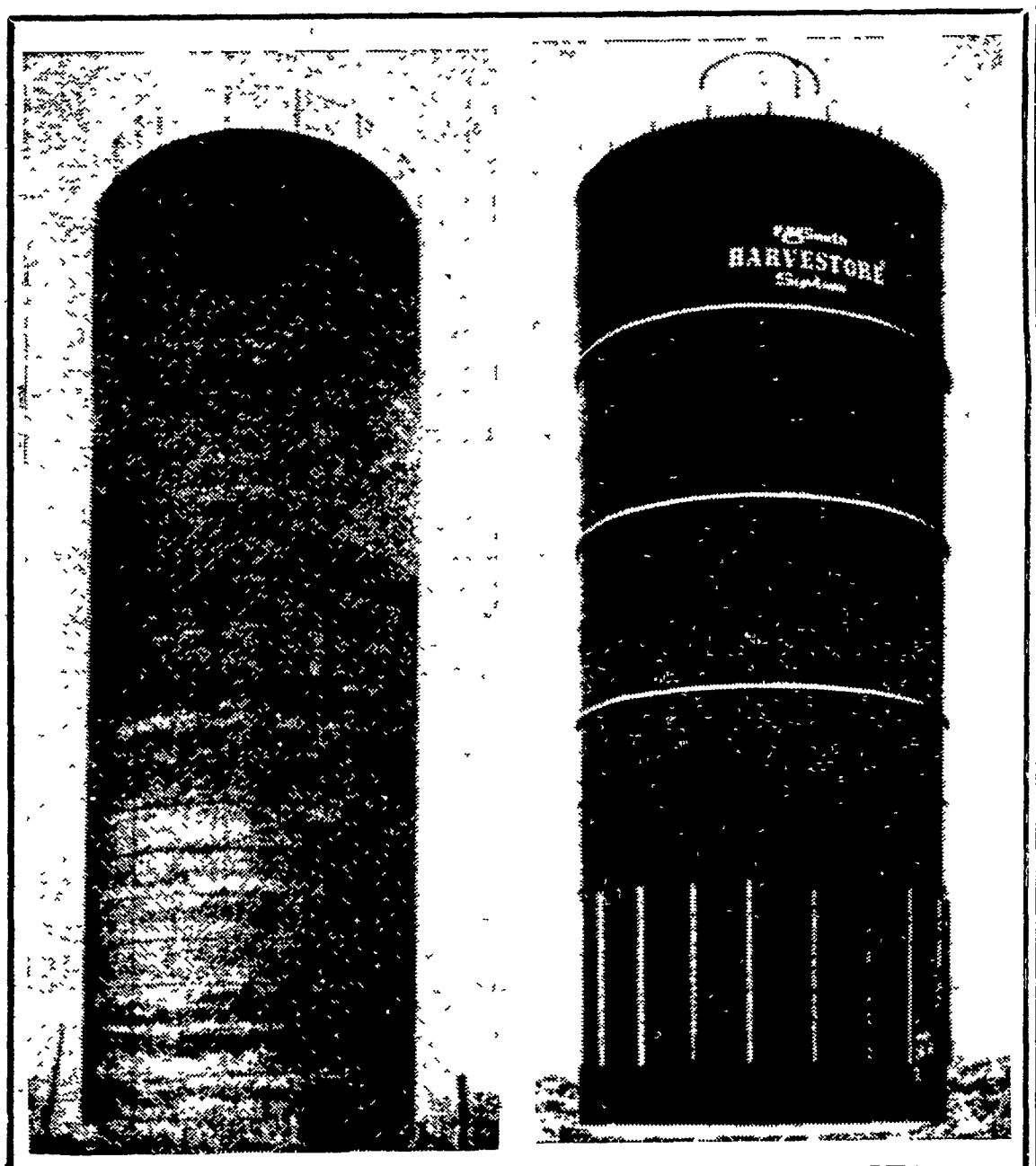
Wilmer Groff, son of Mr. and Mrs. Allen Groff, Manheim RD4, is vice president of the Manheim FFA Chapter. He was reporter for his local Chapter and was treasurer of the Lancaster County FFA Chapter.

Wilmer Groff
Manheim Chapter

He was a delegate to the state FFA Convention at Penn State and attended the 1970 National FFA Convention At Penn State in 1968 and 1969 he received a Gold Emblem as a poultry judge, placed second as a poultry judge at the Virginia State Fair, and received a bronze medal in poultry judging at the 1969 National FFA Convention.

His farming program consists of two steers, five ewes and one ram, one cow, five acres of field corn, two acres of oats and three acres of tobacco.

(Continued on Page 28)



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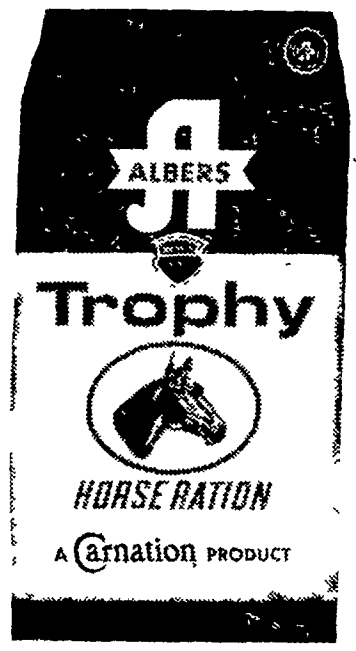

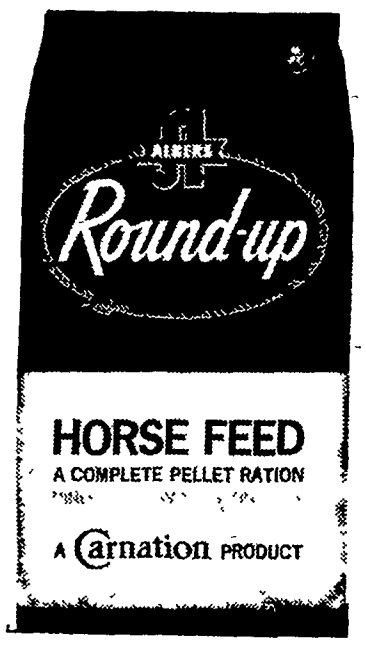

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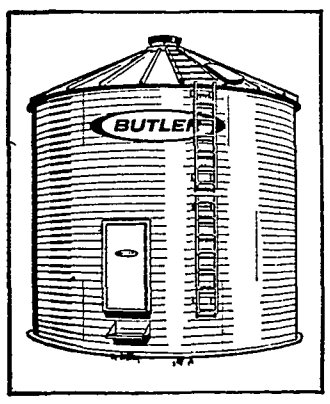

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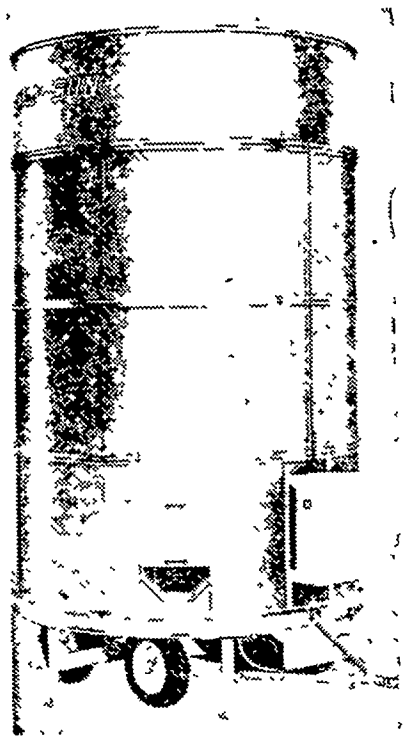

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Penn Manor Home Ec Team Enters Farm Show

Penn Manor High School's home economics department will field one of 31 demonstration teams from 18 counties at the 1971 Farm Show, January 11-15.

Title of the Lancaster County team's demonstration is "Think Accessories"

Horace L Mann, Farm Show Director, reports that prize money for the contest totals $520, with $65 going to the first place winner In addition, 15 of the teams will receive a cash award of at least $25

Three prizes totaling $100 will be awarded by the Pennsylvania Electric Association to the demonstrations showing the best application or use of electricity in the home

A state committee selected the competing teams based on applications submitted by school home economics departments throughout Pennsylvania.

Miss Anne G Eifler, Pennsylvania Department of Education's state supervisor of home economics education, certified the teams recently to the Farm Show Commission

Hot Dogs at Farm Show Must Meet State Specs

Hot dogs and hamburgers served at the Pennsylvania State Farm Show January 11-15 must meet size and quality specifications

There must be eight frankfurters to a pound and a cooked hamburger must weigh two ounces, according to Horace L. Mann, director of the Farm Show complex

'We continually check food products to make sure that concessionaires are adhering to specifications," Mann said "We also insist that the Farm Show cafeteria serve specified portions of meat and vegetables"

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Nelson Martin, the New Lancaster County FFA President

The 1971 Lancaster County FFA president is a 17-year-old East Earl RD1 farm youth who would eventually like to become part of the family farm operation

A junior at Garden Spot High School, New Holland, Martin had never been a president in the FFA until his recent election to the county post. In his local Grassland chapter, he is chapter reporter this year and was chapter secretary last year.

He has, however, been very active in local chapter activities and has served on several committees.

In 1968-69, he won the star greenhand award, received the chapter chain calf, won a gold medal in the county record book contest and a gold medal in the state record book contest.

In 1969-70, he was fifth in the Lampeter Fair dairy judging contest, secretary of the second place area FFA parliamentary procedure contest, received the chapter dairy farming award, was third in dairy judging at the state contest at Penn State University, was a member of the state dairy judging team at the National FFA convention, won a blue ribbon for his hay exhibit at the Ephrata Fair and was named distinguished junior boy of Lancaster County by the Lancaster County Holstein Breeders Association.

Martin is a 4-H dairy club member, a member of the junior Holstein-Friesian association, and a member of his church youth group.

He said recently that he ran for county FFA president to help the county FFA "improve a few of its weak points." At the county level, for instance, he believes that a lot of FFA activities are not properly recognized and he thinks a county FFA banquet would help solve this.

Clifford Day, vo-ag teacher at Garden Spot High Schoor, reviews farm records with the new Lancaster County FFA president, Nelson Martin.

The new FFA president also thinks "it's necessary to get involved" and the FFA, he believes, is a good place to get involved.

The family farming operation centers around a Holstein herd, 90 acres of corn, 40 acres of alfalfa, some barley and pasture land. Presently, the herd includes about 75 milking cows, about 10 dry cows, some 80 heifers and about 20 bulls that are being fattened for beef.

Young Martin explained that all of the Holstein calves not grown for herd replacement are kept for feeding as long as the farm has facilities to house them.

The Holstein bulls are fed chop until about 1200 to 1300 pounds. Martin said that although the market is generally one to two cents a pound lower for the Holsteins, the price received for the Holsteins is "not that much lower" than for comparable quality Hereford and Angus cattle. The Martins prefer bulls to steers because they believe they're easier to feed.

The new FFA president's own farm program in 1970 consisted of 60 feeder pigs, four acres of alfalfa, seven acres of corn, three milking registered Holsteins, four FFA heifers and two 4-H heifers. He also sold one cow during the year.

Plans for 1971 include doubling the crop acreage, increasing to four or five cows and up to eight heifers.

He is uncertain about his future feeder pig program because of the adverse market. He likes to feed his pigs to about 225 pounds, although the market weight has varied from 210 to 230 pounds.

During a tour of the family's farming operation, Martin pointed out a "gestation tabulator' ' or "cartwheel," which shows the records of the individual animals. The wheel has 365 days marked on it and by turning the wheeel each day, the farmer can see the schedule for handling each animal, such as breeding, and schedules for mastitis control.

Martin said the tabulator has

(Continued on Page 27)

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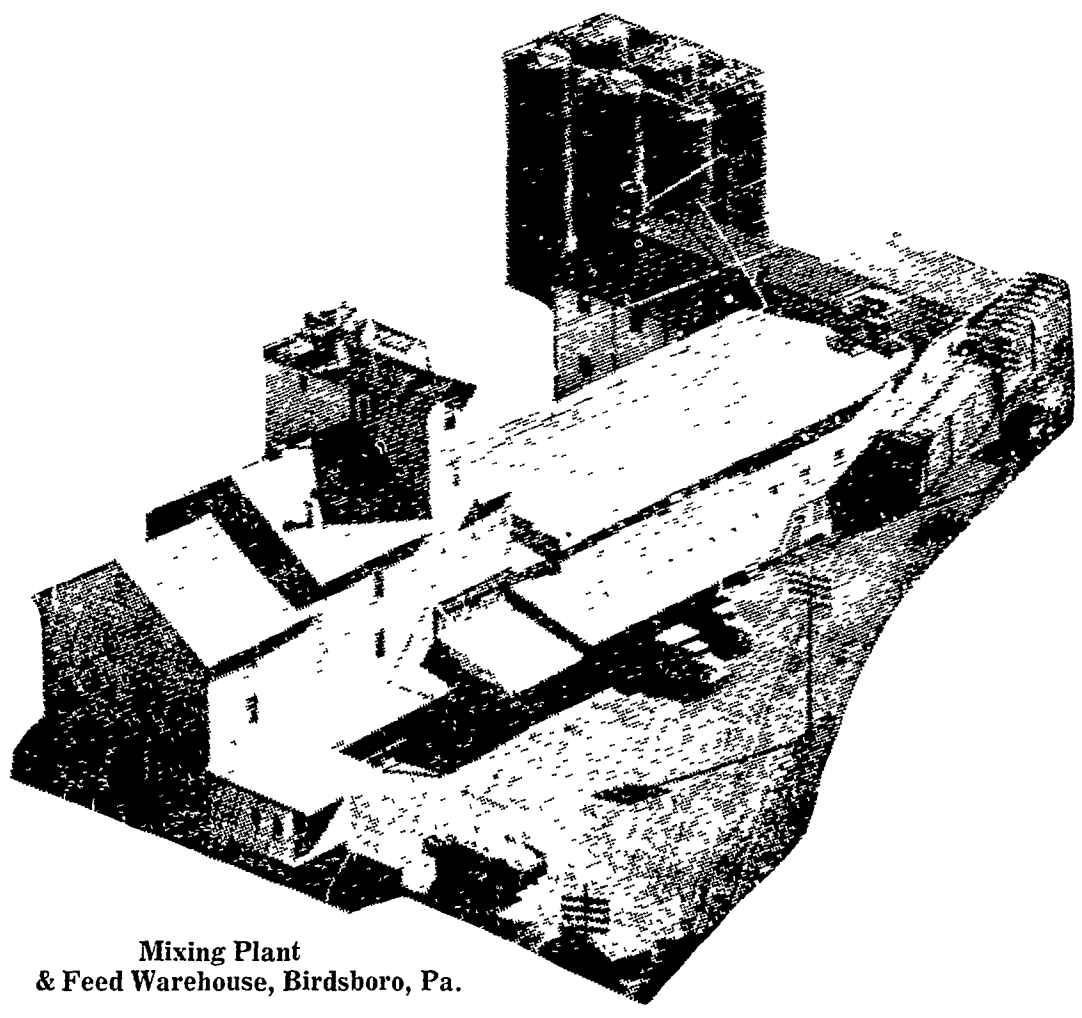

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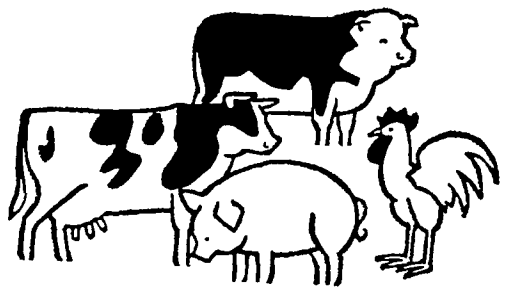

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Nelson Martin, the New Lancaster County FFA President

The new FFA president stands with his outstanding two-year-old Holstein which recently completed a lactation of more than 20,000 pounds of milk.

(Continued from Page 26)

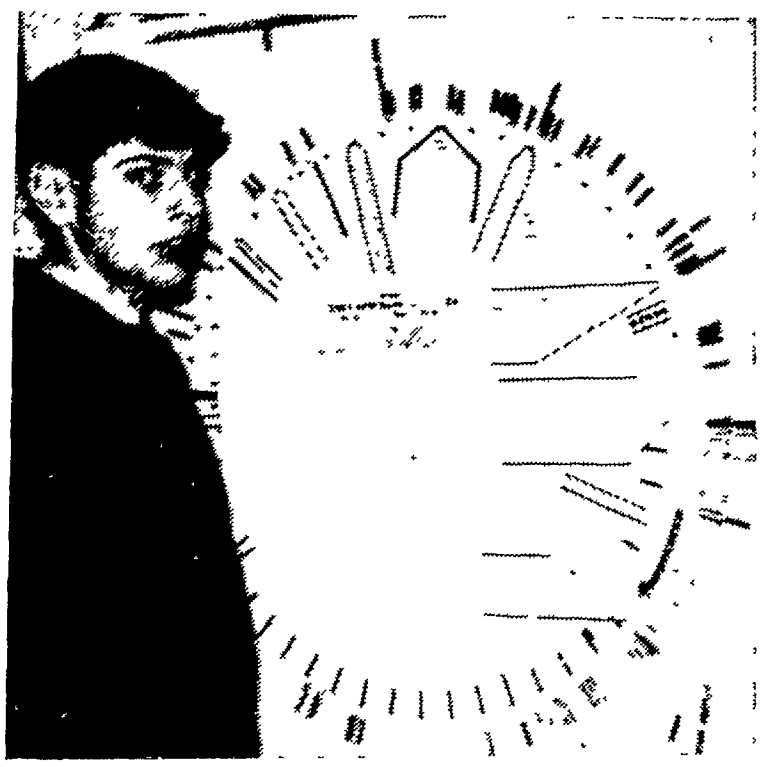
proven a very valuable herd management tool.

The recent herd average was 15,667 pounds of milk and 606 pounds of butterfat The herd classification average is 82.3 with one cow classified excellent with a score of 90. The E-rated cow is Windsor View Ivanhoe Candy, born in September 1961 from the famous sire Osborndale Ivanhoe and Windsor View Regal Lady.

Martin was sixth in milk production in the Junior Holstein Milk Contest this fall with his own two-year-old, which produced 20,537 pounds of milk and 722 pounds of butterfat in a 375 day lactation

After graduation from high school, Martin said he would like to stay on the farm, preferably on the home farm. The Martins live in a large brick farm home built in 1836

Young Martin is the son of Mr. and Mrs. Clyde W. Martin of East Earl RD1. He has two brothers, La Vern, 12, and Clifford, 8, and two sisters, Linda, 15, and Karen, 10.



Martin points out the gestation tabulator which is used to help manage the family Holstein herd.

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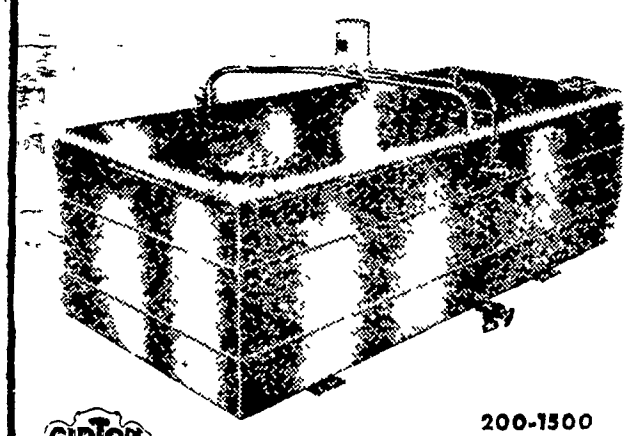

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19 Lancaster County FFA Members

(Continued from Page 23)

Carl D. Kreider
Solanco Chapter

Carl D. Kreider

Carl D Kreider, son of Mr and Mrs Ellis D Kreider, Quarryville, RD1, is serving as treasurer of the Solanco FFA Chapter

His FFA projects include eight dairy animals, including four milking, four acres of corn and six acres of hay

Kreider's home farm includes 120 acres and they are milking 48 cows

He is a junior member of the Holstein Association of America and a member of the Mechanic Grove Mennonite Church.

Donald W. Witmer

A 1969 graduate of Penn Manor High School, Donald Witmer, son of Mr and Mrs Walter Witmer, Washington Boro RD1, presently is working for a local farmer Howard Barley Jr, who was injured this past year

While at Penn Manor, Witmer received the Outstanding Farming award from the Manor FFA Chapter in his senior year

He was chapter sentinel and won an award from the Manor Fair Association for his outstanding farming program

In the coming year, he plans to farm 100 acres of land on his own, renting his father's farm along with some other rented land

His new program will be centered around beef and tobacco

Donald W. Witmer
Penn Manor Chapter

Marlin Bollinger

Marlin Bollinger, son of Mr and Mrs Paul Bollinger, Denver RD2, is a senior student in the Cloister FFA Chapter and is chapter chaplain

His farming program includes four market lambs, 32 market hogs, 11 breeding swine, five

Marlin Bollinger
Cloister Chapter

acres of field corn and two acres of tobacco

He has exhibited his livestock and crops at local and state contests and shows, winning numerous awards and prizes at the Ephrata Fair, Pennsylvania Livestock Exposition and the State Farm Show.

He won an honorable mention in the State Meats Judging Contest this past summer Last year, he attended the National FFA Convention as chapter delegate He is a member of the Lancaster County 4-H Baby Beef and Lamb Club.

FDA Rules on Litter Use

The Bureau of Veterinary Medicine in the U S Food and Drug Administration recently released the following fast sheet on use of poultry litter for animal feed.

Does FDA Permit Its Use?

No The U S Food and Drug Administration has **not** approved and pohibits the use of poultry litter as animal feed, for the following reasons

Drugs In Litter

Poultry ration used today generally contain drugs, including antibiotics, at levels varying from very small amounts for maintaining weight gains to relatively large quantities of drugs for disease treatment

Litter may contain a large accumulation of drugs and their metabolites from both spillage and excreta. Even heat treatment for sterilization purposes would not destroy certain of these drugs (e g arsenicals) or make them safe for animal feeds

It is difficult to estimate, and not practical to measure the level of drugs or metabolites in litter, and therefore not possible to guarantee that poultry litter is safe as animal feed, or that there will be no residues in the tissue of byproducts of animals fed poultry litter.

Diseases In Litter

Disease organisms common to poultry may be present in the litter and could cause illness in other animals. There are several poultry diseases that can also affect cattle, hogs, sheep and humans.

The possibility that diseases could be carried to other animals from poultry litter presents a danger to these animals and also a hazard to public health, unless the litter is subjected to treatment which destroys such microorganisms.

What Action Will FDA Take?

Poultry litter offered for use as animal feed that falls within the jurisdiction of the Federal Food, Drug, and Cosmetic Act will be considered as "adulterated" and subject to seizure within the meaning of Section 402 (a) (1), (2), (C), and/or (3) of the Act

Where Is This Information Published?

This is a new regulation published as Section 3.59, Subpart A, Part 121, Title 21, Code of Federal Regulations. It appeared in the Federal Register on September 2, 1967

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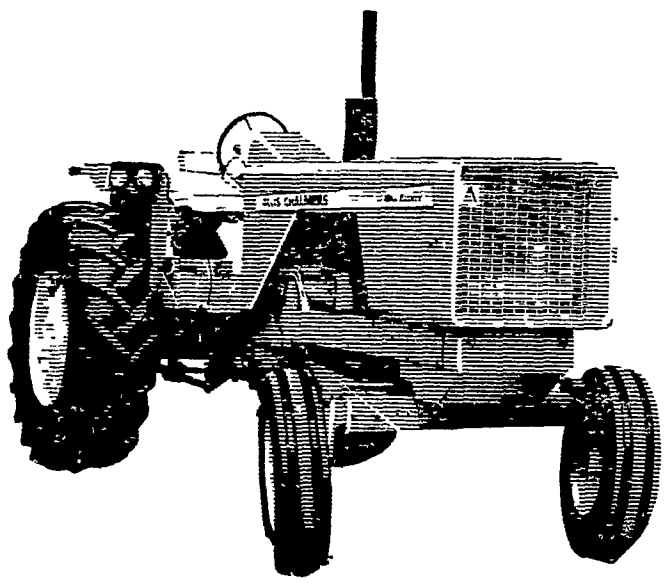

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Annual 4-H Corn, Tobacco Roundup Results Reported

Alfred G Reist, 14, of 1050 Eden Road, Lancaster, displayed both the grand champion wrapper and grand champion filler tobacco exhibits at the annual 4-H Corn and Tobacco Roundup last week at the Farm and Home Center.

The tobacco winner is a member of the Lititz-Manheim Community 4-H Club and the son of Mr. and Mrs. Arthur L Reist.

Winner in the corn contest was Kerry Boyd, 12, Ephrata RD1, a member of the Lincoln Community 4-H Club. Young Boyd is the son of Elmer Boyd.

Boyd was also third in the filler tobacco competition following Philip Bixler, Marietta RD1, a member of the Elizabethtown-Donegal 4-H club, who was second.

Placing second in the corn competition was Marlin Bellinger, Denver RD2, also of the Lincoln club. Douglas Rohrer, Lancaster, was third, representing the Garden Spot Community 4-H club.

Second in the wrapper tobacco competition was Arthur Reist, brother of the winner. Steven Ney, Marietta RD1, a member of the Elizabethtown-Donegal Community 4-H Club, was third.

Prize money was awarded the top tobacco contentants by the Lancaster Leaf Board of Trade

Boyd's winning exhibit of corn consisted of 10 ears of single cross 3369A Pioneer

Jay W Irwin, associate county agent in charge of the corn contest, said this was the first year that placings in the corn competition was accompanied by matching record book placings Arnold Lueck, associate county agent, was in charge of the tobacco contest.

Other contestants in the tobacco contest were Donald Bollinger, Denver RD2, Marlin Bollinger, Denver RD2; Jere Swarr, Manheim RD2; Timothy Swarr, Manheim RD2; Carl Thomas, Millersville RD1; Judy Thomas, Millersville RD1, and Richard Yunginger, Marietta RD1.

Other contestants in the corn contest were Leonard P. Martin, Steven RD1; Steven Ney, Marietta RD1, Jere Swarr, Manheim RD2, Richard Yunginger, Marietta RD1, Carl Thomas, Millersville RD1, July Thomas. Millersville RD1, Donald Bollinger, Denver RD2, and Philip Bixler, Marietta RD1

Alfred G. Reist of Lancaster displays his championship tobacco at the annual 4-H Corn and Tobacco Roundup last week. Reist had both the top wrapper and filler exhibits.

West Chester 4-H'ers To Enter Tractor Event

Robert J Hodge, son of Mr and Mrs Robert H Hodge, West Chester RD4, will be competing against five other Commonwealth 4-H Club members in the State 4-H Tractor Operators' Contest at the 1971 Pennsylvania Farm Show on January 14.

The contest winner will be Pennsylvania's representative to the Eastern United States 4-H Tractor Operators' Contest to be held at the State Fair of Virginia next September Hodge earned the right to participate in the State contest by being one of the top tractor drivers at State 4-H Days held in August at Pennsylvania State University.

During the contest, each contestant will demonstrate his knowledge and ability in servicing and operating a tractor.

Driving skill and safety will be based on handling a tractor with a two-wheeled trailer and then with a four-wheeled wagon attached. Knowledge of tractor care, mechanics, and safety will be tested by a written quiz and daily tractor check up.

Like golf, the 4-H tractor operators will be working for the lowest score rather than the highest. Penalty points are assessed each participant for unsafe procedures, excessive time requirements, questions missed on quiz, and improper checking and driving procedures.

The tractor operators' contest, conducted by the Agricultural Extension Service of Pennsylvania State University, is only one phase of the 4-H tractor project. Throughout the year, 4-H'ers have learned care and maintenance of tractors and farm machinery in a series of meetings and clinics They then put their knowledge to work on home farm equipment.

Kerry Boyd of Ephrata RD1 shows his championship corn at the annual 4-H Corn and Tobacco Roundup last week. (Young Boyd's father, Elmer, had the championship wrapper tobacco in adult competition this week.)

Pomona Grange to Meet

Lancaster County Pomona Grange 71 will hold a dinner meeting at 7 p.m. Saturday, January 16 at Rhoads Spanish Restaurant, Quarryville

Clifford Holloway Jr, Joseph Hess and Ralph Wanner are in charge of reservations which must be made by January 11 The resolution committee for this evening is Loran Brinton, Clifford Holloway Jr. and Chester Eby Mr and Mrs Melvin Boyce are on the Pomona visitation committee Alfred Wanner Sr. will be installed as a member of the Executive committee and David Brinton as a member of the Finance committee.

Mrs. Jesse Wood, Lecturer, will be in charge of the annual memorial service and the program.

Mrs. Robert Nauhauser, Strasburg Pike, Lancaster, will speak on "The American Youth Exchange, Inc" There will be three exchange students there from Peru to answer questions. This is an exchange program between North America and South America

Fulton Grange Has Christmas Party

Fulton Grange 66 and the Junior Grange 343 held a Christmas party December 28 at Oakryn.

Mrs. J. Stanley Stauffer Jr., Lecturer, opened the program with group singing "I Heard The Bells" and read "The Night Before Grange." Miss Peggy Jackson, accompanied by her mother, Mrs. Richard Jackson, sang "Silver Bells and "White Christmas." Mrs. Richard Nye gave a reading "Chirstmas Nostalgia." Roll Call "Special Christmas Gift Received."

Miss Donna Welk supervised games for the Junior Grange members and Mrs James A. Brown conducted games for adults Santa appeared to the tune of "Jingle Bells" and distributed gifts to everyone

Richard Holoway, Master, presided at the business session when the group heard a report of the last medical meeting given by the Grange representative, Clifford Holloway Jr. There will be a fund drive in April to equip the medical center and individuals and organizations may donate special equipment as well as money.

Miss Sylvia Shirk reported 27 went Christmas caroling December 19 and returned to the Grange Hall for refreshments

The principal of the area Vo-Tech school will speak on "Vo-Tech Education in Lancaster County" at the next meeting Jan 11 Junior Grange members are requested to bring milk weed pods, dried weeds, flowers and grasses, small pine cones and nut shells for picture craft.

The 55th Annual Farm Show Schedule

Monday Morning, January 11

8 00—Judging starts in all Departments, except where specified hours are indicated.
8:00—Judging Southdowns — Small Arena
8:00—Judging Ayrshires, including Junior Dairy Classes — Large Arena
8:00—Judging Guernseys, including Junior Dairy Classes — Large Arena.
8:00—Judging Chester Whites — Small Arena
8:00-5:30—Vocational Demonstration Contests, Room A (Auditorium), Main Show Building.
8:30—Christmas Tree Growers Association Meeting, Penn-Harris Motor Inn.
8:30—Future Farmers of America Executive Council Meeting, Room 321, Education Building.
9:00—Judging Poland Chinas — Small Arena.
9:00—Judging Belgians — Large Arena.
9:00—Judging Shropshires — Small Arena.
9:00—Beekeepers Association Meeting, Room 309, Department of Agriculture Building.
9.30-5:00—Future Homemakers of America homemaking demonstrations, Department of Education Booth, Upper Concourse, Large Arena.
10 00—Society of Farm Women, Annual Convention. The Forum, Education Building.
10 00—Judging Suffolk — Small Arena.
10 00—Judging Duroc — Small Arena
11.00—Judging Hampshire Swine — Small Arena.
11 00—Chester White Swine Breeders Association Meeting, Room D, Main Show Building.

Monday Afternoon, January 11

12 30—Judging Berkshires — Small Arena.
1 00—Judging Grade Horses — Large Arena.
1 00—Judging Hampshire Sheep — Small Arena.
1.00—Beekeepers Association reconvenes, Room 309, Department of Agriculture Building.
1:00—Society of Farm Women reconvenes, The Forum, Education Building.
1:00—Future Homemakers of America Executive Council Meeting, Room 103, Executive House.
1 30—Futures Farmers of America Executive Council reconvenes, Room 321, Education Building.
1.30—Judging Yorkshires — Small Arena.
1:30—Christmas Tree Growers Association reconvenes, Penn-Harris Motor Inn.
1:30—Raw Milk Producer-Distributors Association Meeting, Office No. 2, Large Arena, Second Concourse.
2·00—Berkshire Breeders Association Meeting, Room B, Main Show Building.
2:30—Judging Spotted Swine — Small Arena.
2:30—Judging Dorsets — Small Arena.
3·00—Ayrshire Breeders Association Meeting, Room E, Main Show Building.
3:30—Judging Cheviots — Small Arena.
3:30—Judging Landrace — Small Arena.

Monday Evening, January 11

6 00—Society of Farm Women Banquet, Scottish Rite Cathedral, 2701 N. Third Street.
6 00—Suffolk Sheep Association Meeting, Room D, Main Show Building.

(Continued on Page 32)

Penn State Sets Livestock Day Mar. 31

A group of leading animal scientists will present new research findings in livestock breeding, feeding, and management at the Second Biennial Livestock Day scheduled for March 31 on the Pennsylvania State University campus

The conference will begin at 9 30 a m with registration at J O Keller Building on the Penn State campus, reports Lester A Burdette, Extension animal scientist. Keynote speaker will be Dr John W. Oswald, president of Penn State, presenting the topic "Progress in Agriculture"

"Sessions are being planned so that people attending may participate in special species interest groups," Burdette said

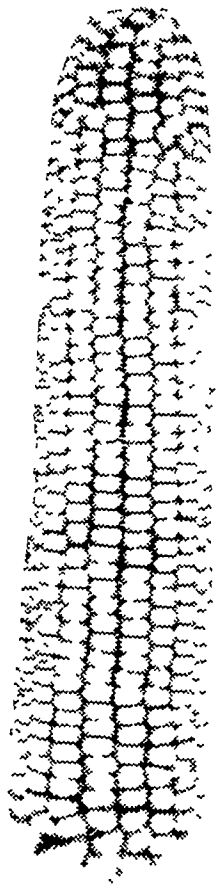
Those interested in attending the beef cattle session will hear reports on Feeding Apple Processing Wastes; Pastures for Beef Cattle, Research on an Angus-Holstein Crossbred Cow Herd, Feed Intake Regulations; Alfalfa Silage Versus Corn Silage; and Feeding and Utilization of Crownvetch.

The swine research reports will include Swine Behavior Studies; Feeding the Lactating Sow, Sex Odor in Swine Carcasses; Protein-Energy Relationships; A Farrow to Finish Swine Management System, The SMEDI Virus, and Voluntary Feed Intake in Swine.

Sheepmen will hear research findings on the Effect of Particle Size and Hay on Feed Intake, Effect of Zeranol Implant on Lamb Performance, Characteristics of Rams, Cryptorhids and Wethers Receiving Limited and Full-Fed Rations, Effect of Ration Energy Level and Creep Feeding on Lamb Performance; Effect of Ensiling; and Additives and Drying Temperature on the Value of High Moisture and Reconstituted Corn.

Sponsor of the Livestock Day is the Penn State Department of Animal Science.

Checking data on breeding research trials to be presented at the Second Livestock Day March 31 on the Penn State University campus are, from left: Dr. Lester A. Burdette, Penn State Extension animal scientist, and Dr. Lowell L. Wilson, associate professor of animal science.



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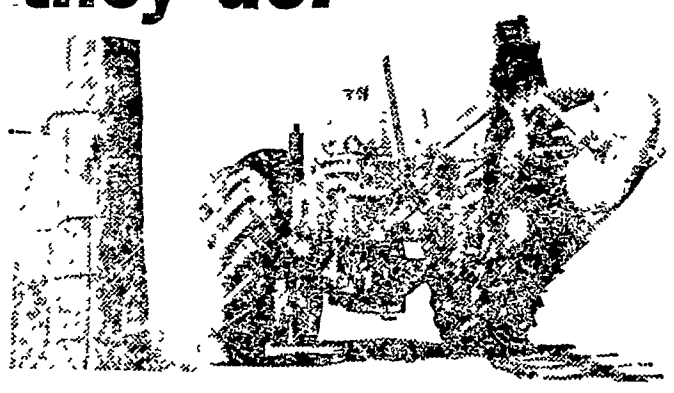

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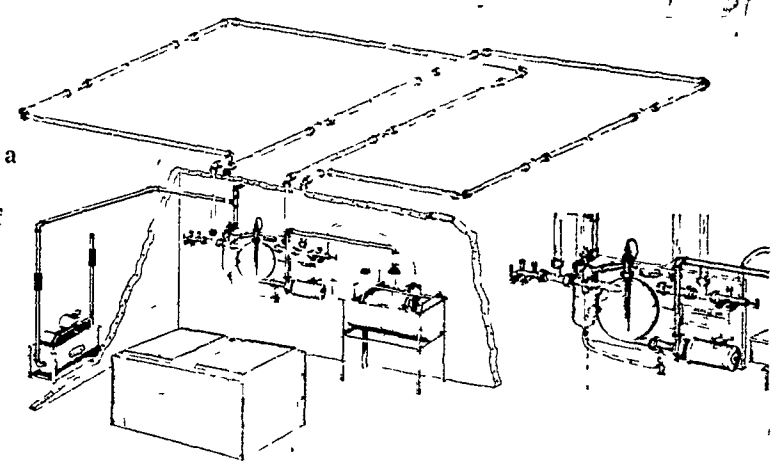

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SEE US AT THE FARM SHOW

'71 Ag Progress Days to Begin Aug. 31

One of the largest outdoor agricultural events in the East will be held next summer at the 1,800-acre Rock Springs Agricultural Research Cnter of Pennsylvania State University, three miles west of Pine Grove Mills.

Called the 1971 Agriculutral Progress Field Days, the schedule will include three days of farm machinery demonstrations, soil and water conservation demonstrations. commercial and educational exhibtis, home economics program, vouth activities, and the State Plowing Contest The dates are August 31, September 1 and 2

Sponsor of the event is the Penn State College of Agriculture, in cooperation with the Pennsylvania Department of Agriculture, Pennsylvania Grassland Council, State Plowing Contest Committee, United States Soil Conservation Service and farm machinery and equipment dealers

"About 100 commercial farm companies have indicated that they will exhibit their products at the field days," said Burton S. Horne, Penn State Agriculture engineer and general chairman 'In addition, approximately 40 educational exhibits will be displayed by the various agricultural and home economics orzanizations and Penn State"

A highlight of the three days, Horne emphasized, will be wagon and walking tours of the extensive research plots and tests areas. Shuttle buses will transport people from the parking area to the center of activity.

Scores of forage and vegetable test areas will be established for the field davs as well as one-half acre of flowers Five acres of potatoes will be planted and used for harvesting demonstrations

More than 20 educational livestock exhibits will focus attention on current practices employed in the areas of feeding, breeding and management of dairy cattle, poultry, beef, sheep, swine, and horses

"Federal and state agencies will combine their interests to develop a unique conservation exposition," The general chairman pointed out "Features of the exposition will be conservation practices adopted to help fight the war on pollution"

Approximately 50 contestants will vie for awards in the State Plowing Contest scheduled for September 1 Divisions will include contour, small plow, level land, and large plow, level land. All plowmen wi be winners of county eliminations

Agricultural Progress Days is an annual event which is held in a different section of the state each year Last year's field days, held near Titusville, attracted 30,000 people during two days of activities

Farm Show SPECIALS
FOR THE MONTH OF JANUARY

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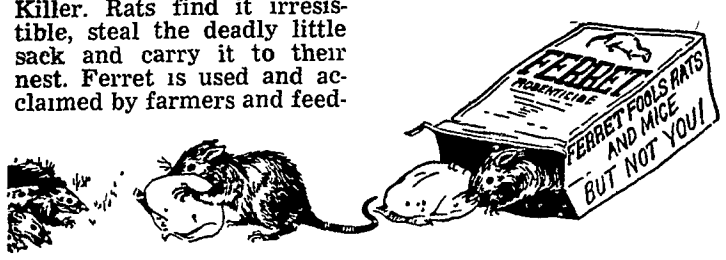

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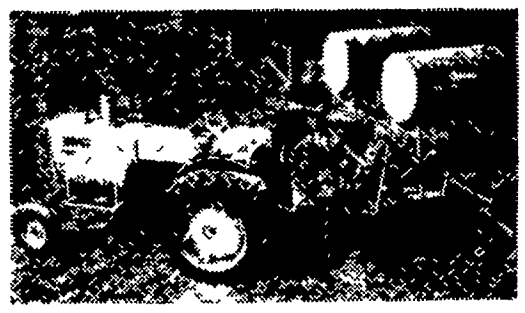

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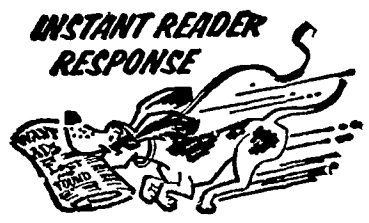

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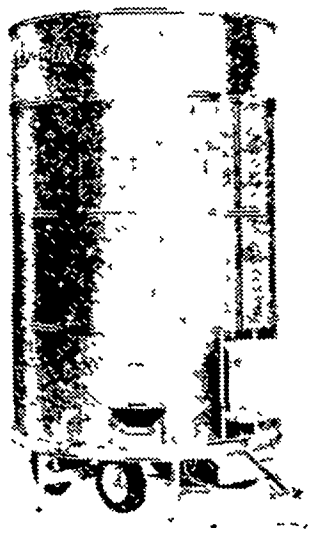

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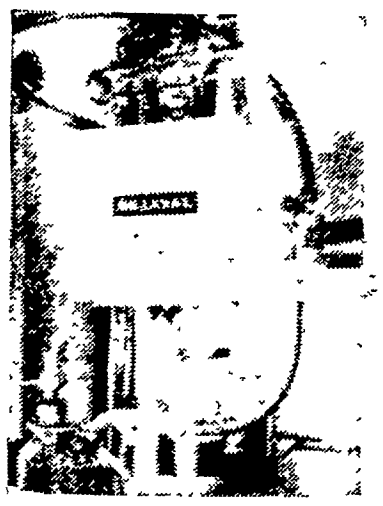

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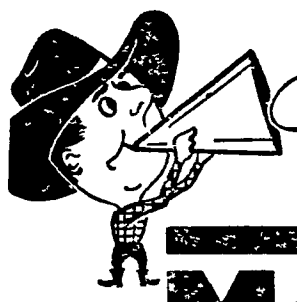

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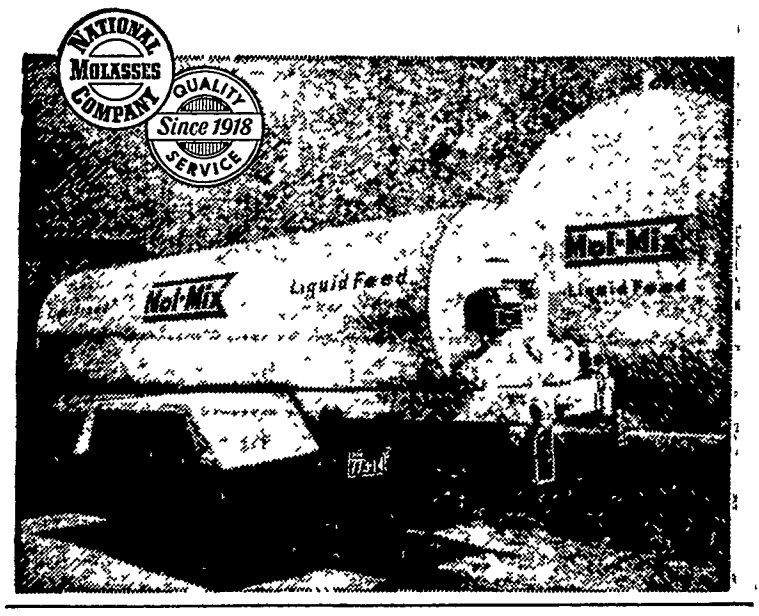


The 55th Annual Farm Show Schedule

(Continued from Page 29)

6:30—Beekeepers Association Banquet, Colonial Park United Church of Christ, 5000 Devonshire Road.
6 30—Christmas Tree Growers Association Banquet, Penn-Harris Motor Inn
7:00—Cooperative Swine Breeders Association Meeting, Room B, Main Show Building.
7:30—Secretary of Agriculture's Night — Large Arena.
9:00—Farm Show Building closes.

Tuesday Morning, January 12

8 00—Judging Vocational Swine Classes, all breeds — Small Arena.
8.00—Judging Holsteins, including Junior Dairy Classes — Large Arena.
8 00—Judging Corriedales — Small Arena.
8 00—Judging Milking Shorthorn, including Junior Dairy Classes — Large Arena.
8 00-5 30—Vocational Demonstration Contests, Room A (Auditorium), Main Show Building
8 30—Future Farmers of America, Executive Council recinvenes, Room 321, Education Building.
9 00—Judging Percherons — Large Arena.
9 00—Judging Rambouillets — Small Arena.
9 00—Judging Merinos — Small Arena.
9 00—Society of Farm Women Meeting, Room F, Main Show Building
9 00—Future Homemakers of America, Executive Council Meeting, Room 103, Executive House.
9 00—Christmas Tree Growers Association reconvenes, Penn-Harris Motor Inn.
9 30-5 00—Future Homemakers of America homemaking demonstrations, Department of Education Booth,, Upper Concourse, Large Arena.
10 00—Guernsey Breeders Association Meeting and noon Banquet, Scottish Rite Cathedral, 2701 N. Third Street.
10 00—Spotted Swine Sale — Small Arena.
11 30—Poland China Swine Sale—Small Arena.

Tuesday Afternoon, January 12

1 00—Chester White Swine Sale — Small Arena.
1 00—Future Homemakers of America Executive Council reconvenes, Room 103, Executive House.
1 30—Future Farmers of America Executive Council reconvenes, Room 321, Education Building.
2:00—Yorkshire Cooperative Meeting, Room F, Main Show Building.
2 00—Sheep and Wool Growers Co-operative Association Meeting, Room B, Main Show Building.
2.30—Berkshire Swine Sale — Small Arena.

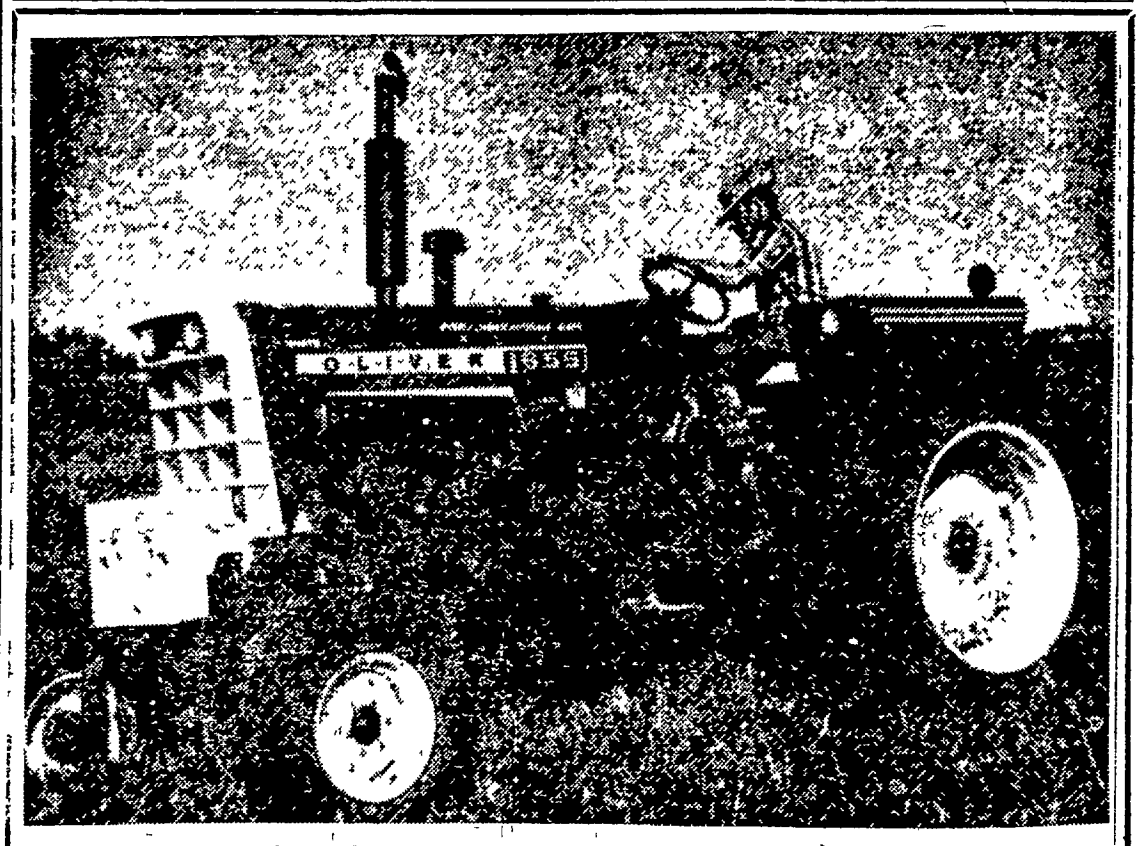
Tuesday Evening, January 12

6:15—FFA Band Concert — Large Arena.
6:15—Dairymen's Association, Annual Banquet, Penn-Harris Motor Inn.
6.30—Future Homemakers of America Red Rose Dinner, Penn-Harris Hotel.
7.30—Folk Dance Festival and Contest — Large Arena.
7.30—Angus Association Dinner Meeting, Schindler's Restaurant.
7.30—Horse and Mule Association Meeting, Room E, Main Show Building.
9:00—Farm Show Building closes.

Wednesday Morning, January 13

8 00—Judging Brown Swiss, including Junior Dairy Classes — Large Arena.
8 00—Judging Jerseys, including Junior Dairy Classes — Large Arena.
8 00-5.30—Vocational Demonstration Contests, Room A (Auditorium), Main Show Building.
8 30—Future Farmers of America Executive Council reconvenes, Room 321, Education Building.
8 30—Rural Electric Association Meeting, PREA Office, 112 N. Second Street, Harrisburg.
9 00—Judging Angus — Large Arena.
9 00—Judging Herefords — Large Arena.
9 30—Future Homemakers of America Annual Winter Meeting, The Forum, Education Building.
9:30-5 00—Future Homemakers of America homemaking demonstrations, Department of Education Booth, Upper Concourse, Large Arena.
10 00—Flying Farmers Association Meeting, Room E, Main Show Building.
10 00—Vegetable Growers Association Meeting, Room F, Main Show Building.
10 00—Duroc Swine Sale — Small Arena.
11 00—Landrace Swine Breeders Association Meeting, Room E, Main Show Building.
11 00—Hereford Association Meeting, Room B, Main Show Building.

(Continued on Page 33)



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Visit the Oliver Display at the Farm Show

The 55th Annual Farm Show Schedule

(Continued from Page 32)

Wednesday Afternoon, January 13

12:00—Judging Polled Herefords — Large Arena.
12:30—Judging Shorthorns — Large Arena.
12:30—Hampshire Swine Sale — Small Arena.
12:30—Future Farmers of America Awards Convention, The Forum, Education Building.
1:00—Farmers Milk Jugging Association Meeting, Room C, Main Show Building.
1.00—Crop Improvement Association Meeting, Foods & Chemistry Library, Department of Agriculture Building.
1:30—Judging Charolais — Large Arena.
1:30—Vegetable Growers Association reconvenes, Room F, Main Show Building.
1:30—Jersey Cattle Club Meeting, Office No. 2, Large Arena.
2:00—Brown Swiss Association Meeting, Room D, Main Show Building.
2:00—Poultry Federation Meeting, Room 309, Department of Agriculture Building.
2:30—Landrace Swine Sale — Small Arena.
3:30—Yorkshire Swine Sale — Small Arena.

Wednesday Evening, January 13

5:30—Lightweight Horse Pulling Contest; Six-Horse Hitch Demonstration; Heavyweight Horse Pulling Contest — Large Arena.
6:00—Charolais Association Meeting, Room B, Main Show Building.
6:30—Poultry Federation Dinner, Penn-Harris Motor Inn.
6:30—Corn Growers Banquet, Cafeteria, Department of Agriculture Building.
7:30—Cooperative Swine Breeders Association Dinner and Executive Committee Meeting, Capitol Motel.
9:00—Farm Show Building closes.

Thursday Morning, January 14

8:00-11:30—Vocational Demonstration Contests, Room A (Auditorium), Main Show Building.
9:00—Judging 4-H Club Breeding Sheep — Small Arena.
9:00—Judging Junior Beef Breeding Cattle — Large Arena.
9:00-2.00—4-H Club Potato Grading Contest, Room F, Main Show Building.
9:30-5:00—Future Homemakers of America homemaking demonstrations, Department of Education Booth, Upper Concourse, Large Arena.
10 00—Nut Growers Association Meeting, Office No. 2, Large Arena, Second Concourse.
10.00—Judging 4-H Club Shorthorns — Large Arena.
10:30—Judging 4-H Market Lambs — Small Arena.
10 30—Judging 4-H Club Herefords — Large Arena.
11.45—Judging 4-H Club Angus — Large Arena

Thursday Afternoon, January 14

1:00—Judging Open Class Market Lambs — Small Arena
1.00—Maple Producers Council Meeting, Room 309, Department of Agriculture Building.
1:30—Nut Growers Association reconvenes, Office No. 2, Large Arena, Second Concourse.
1:30—Judging 4-H Baby Beef Trios — Large Arena.
2:30—4-H Lamb Fitting and Showmanship Contests — Small Arena.
2:45—Judging 4-H Breed Champions and Grand Champion 4-H Steer — Large Arena.
3:30—4-H Sheep Blocking and Grooming Contest — Small Arena
4:30—4-H and FFA Tractor Driving Contests — Large Arena.

Thursday Evening, January 14

6:00—Potato Growers Banquet, Penn-Harris Motor Inn.
7:00—International Farm Youth Exchange Alumni Association Meeting, Dutch Pantry Restaurant, Camp Hill.
7:00—Livestock Cavalcade; 4-H Club Light Horse and Pony Demonstration — Large Arena.
9:00—Farm Show Building closes.

Friday Morning, January 15

9:30—4-H Baby Beef Showmanship Contest — Large Arena.
9:30-1:00—Future Homemakers of America homemaking demonstrations, Department of Education Booth, Upper Concourse, Large Arena.

Friday Afternoon, January 15

1 00—Sale of 4-H Baby Beeves and Lambs, followed by Market Lamb Sale — Large Arena.
4 00—Farm Show closes.

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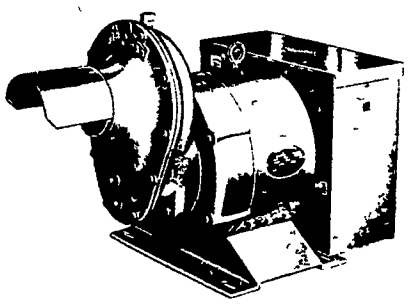

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1. handles meaner haylage
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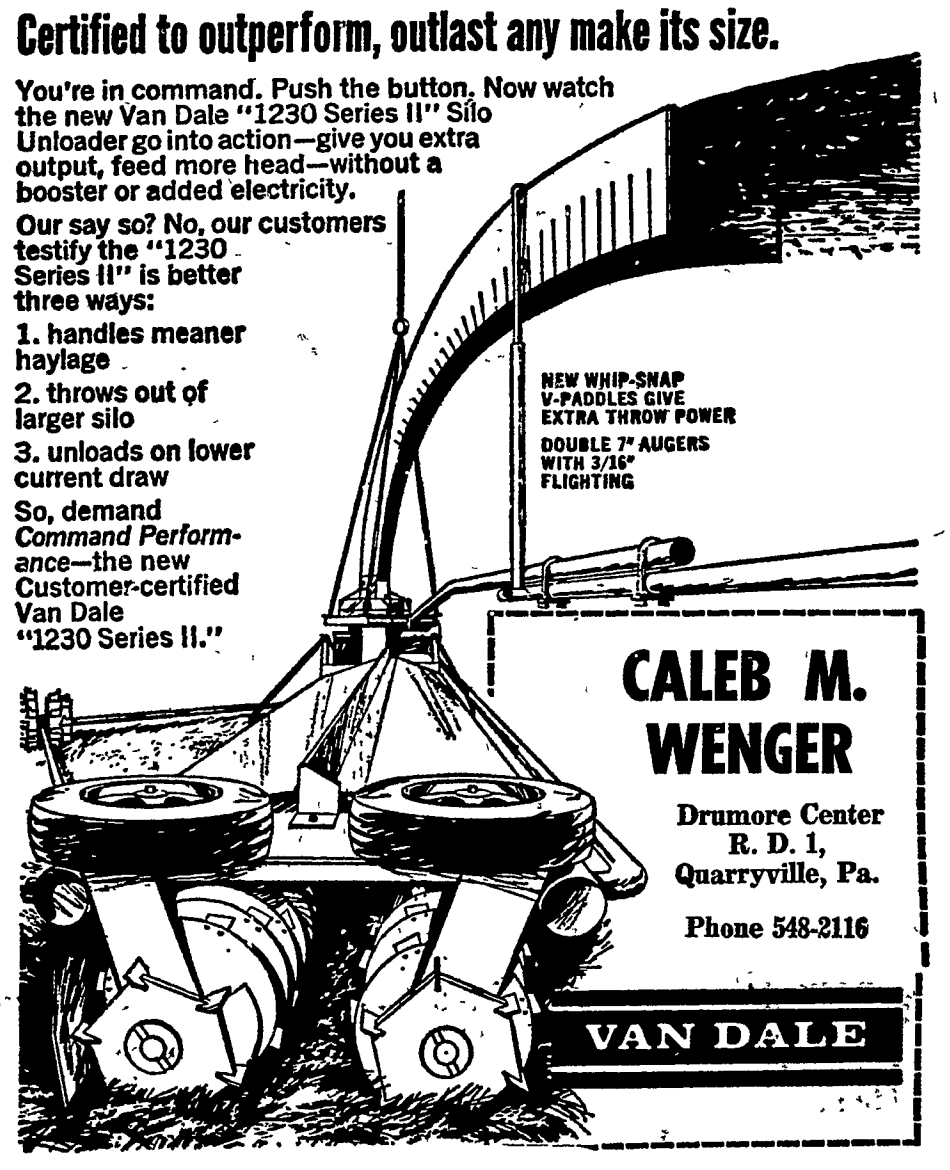

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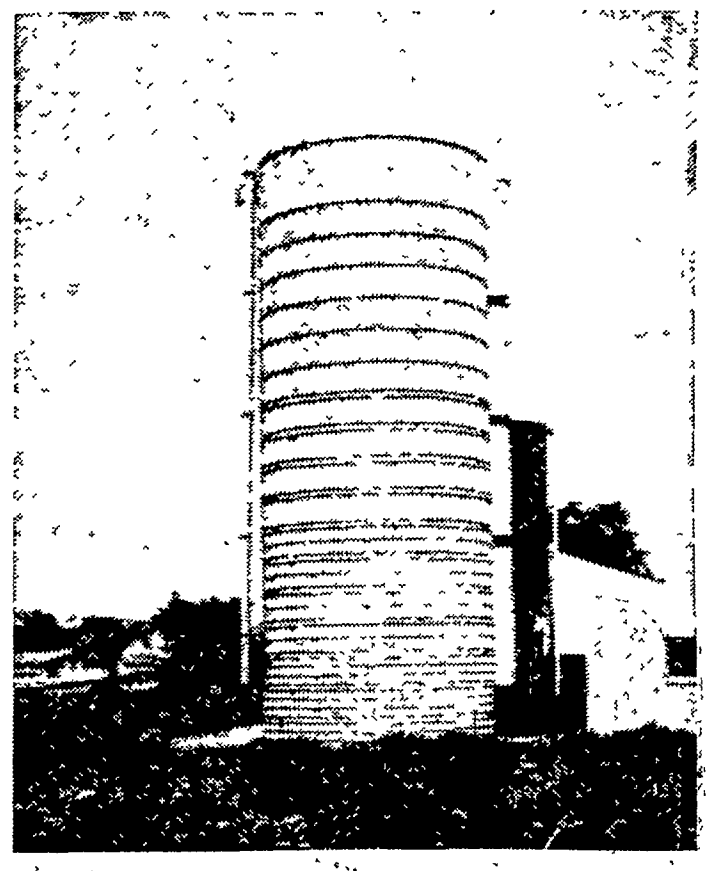

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Quality & Service Since 1927

City and Suburban Housewives Sympathize With Farmers

Middlemen Hit for High Food Prices

Not too many years ago riders on the Paoli Local commuting between this suburban community and Philadelphia could look out from the railcar windows and see an occasional farm still remaining amid the sprawling fields of new ranchers and colonial homes

Today's commuters have to continue west of Paoli, toward Lancaster, to see an active farm from their air-conditioned Metroliner cars.

While city and suburban dwellers are becoming more and more removed from association with farmers, they are, naturally, tied to the farmer for their very existence But many residents of our growing megapolis communities relate to the farmer only through their food bills at the supermarket checkout counter And while metropolitan housewives are unanimous in their condemnation of increasing food prices, most of them feel the farmer is not to blame for the increases they see marked on the grocery shelves.

Mrs William Major, whose husband is an oil company sales executive and who resides here on an appropriately named street called Rustic Lane, thinks food prices today are "fantastic!"

"But I don't think the farmer is to blame," she said "The increased price for food is not filtering back to them. It's the middleman."

Mrs Major admits to distant contacts with the farm, noting that her husband "has relatives who operate a dairy farm upstate, and they have really had a rough time of it They had to let one of the hired men go last year"

But other housewives, who do not have even this remote contact with the farm, are not blaming the farmer for spiraling food costs

When asked if she felt food prices have increased substantially in the last three years, Mrs. Joy DeMarco, a Chicago housewife, said "Oh, they certainly have," but attributed them to "inflation"

This special report by the New Holland Division of Sperry Rand explains today's high food costs from the viewpoint of the farmer

The report also shows that most housewives realize the farmer isn't getting his share of the increased food costs

The report weaves in facts to show such basic agricultural trends as fewer farmers producing more food for an increasingly lower percentage of the consumer dollar.

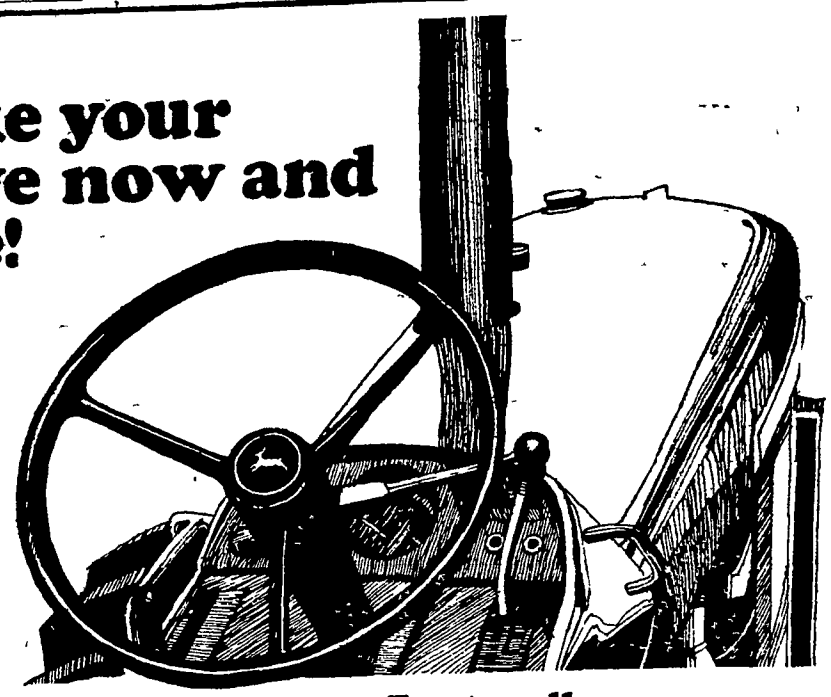
Mrs David C Stewart, a Des Moines homemaker, said, "I hope to tell you. I don't believe it's the farmer who's benefiting The middleman is getting the money"

Mrs Robert York, a suburban Newark, N. J., resident, felt there were substantial rises in meat and dairy products, and another Newark housewife said prices had definitely risen, adding, "I complain about it every week."

She admitted that she wasn't sure why they were up, but was quick to say, "I know the farmer isn't getting more. Too many people are leaving the farm If they were getting enough money, they'd stay"

(Continued on Page 35)

Make your move now and save!



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19 Hds.	19,595M	3 56%	698BF
All Herdmates			
Average	15,972M	3.58%	572BF
Difference	+3,623M	−.02%	+126BF
Repeatability 57%			
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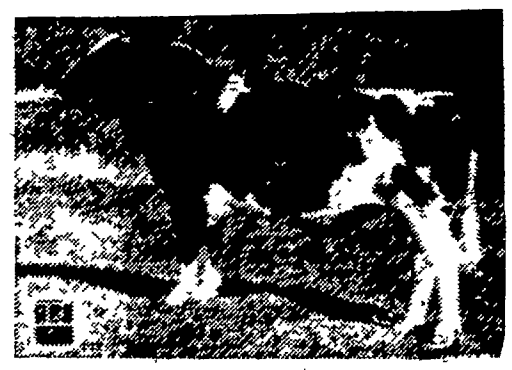
Diff.	+2,196M		+ 76BF



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See us at the Farm Show or Contact your local ABS Representative to enroll today.

Middlemen Hit for High Food Prices

(Continued from Page 34)

And a young Phoenix housewife, who thinks food prices "have doubled in recent years" said, "For the price they're charging us, what the farmer's getting is not fair."

So it seems that if the American housewife and the American farmer exchanged stories, they would probably conclude by shaking hands in sympathy. Farmers, like shoppers, are aware that food prices are increasing.

But the farmer has a story of change to tell, a story of progress that is benefiting the consumer, while leaving him a bit like the inventor who dies a pauper. Without this farm progress the price of food would be much greater than it is today.

Almost unnoticed by a growing suburban and city population, farmers have been trading muscle power for machine power at accelerated rates since the early 1800's.

In the 1930's, it took 74 man-hours of work to produce 100 bushels of wheat. Today, it's been cut to 10, or a 550 per cent increase in output per man-hour. And, since 1950 the production per man-hour in agriculture has increased at a rate more than double that of all non-farm industry.

The farmworker is now producing enough food and fiber to supply 45 people — almost twice as many people as he was producing for just 10 years ago. This dramatic increase in efficiency and productivity has enabled the American family to spend less of its income for food than ever before.

The average American family is currently spending only 16.5 per cent of its income after taxes for food. Twenty years ago it was 22 per cent. In Western Europe the present figure averages 25 per cent and in the USSR it's almost 50 per cent.

This takes us back to the check-out counter and increasing food prices. Why are they up?

Inflation and a growing demand for convenience foods are the popular answers. Marketing costs have skyrocketed in recent years and more and more foods are appearing concentrated, dehydrated, ready-mixed, or ready-to-serve.

Farmers receive from one

(Continued on Page 39)

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Testimonials like these, plus years of field experience, show you can expect an average of 7 years of service from a Hawk Bilt spreader.

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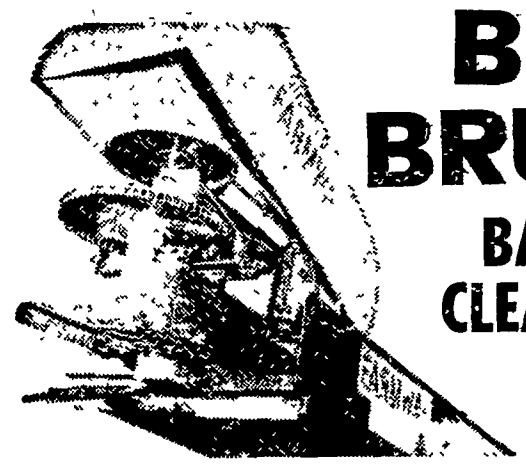

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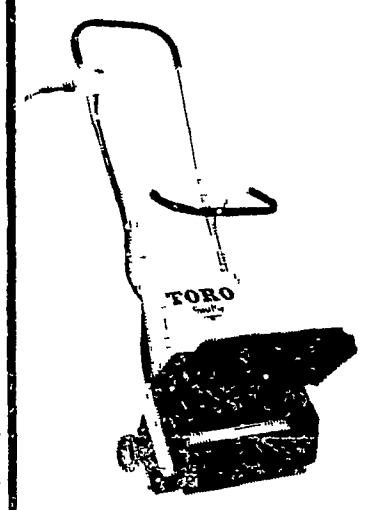

The 14" Snow Pup

22 pounds. Yet the Snow Pup can clean a 50 foot driveway in just 10 minutes. Digs deep and throws snow up to 15' in three directions. Again this year a pneumatic primer, and automatic compression release for easier starting.

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Self-propelled Irrigation Announced for Rectangular Fields

A new self-propelled irrigation system which can irrigate rectangular or square fields because it automatically moves in a straight line, instead of a circular pattern, is now available from R. M. Wade and Company in Portland, Ore.

Named "Wade Rain Square-Matic," the system can cover 159 acres of a 160 acre tract, the only loss being on the roadway where the hose travels. In comparison, conventional pivot systems usually can cover at most only 125 to 130 acres of a 160-acre tract.

Weighing less than half the weight of rotating models, Square-Matic is the first self-propelled unit to feature a central water-carrying line made of aluminum

Only water power is needed to keep the system's 16 individual towers, which support 6-inch extruded aluminum irrigation pipe, moving at an even, predetermined pace across even or rough terrain.

"We believe this is the most advanced sprinkler irrigation system to be devised since the sprinkler concept was first adopted," Wade Newbegin Sr., president of R M. Wade, said.

The system uses the rectangle theory since, as Newbegin pointed out, most farm land is laid out that way. It can lay down as little or as much water needed for particular crops, such as grapes, cotton, corn beans, wheat and alfalfa.

The towers operate independently of each other through individual water motors. As they march laterally across the field, they stay in almost perfect alignment due to special controls on each tower.

"Square-Matic was specifically designed for aluminum irrigation pipe," Mr. Newbegin said, "because aluminum has more flexibility for uneven terrain, and is light enough to be easily moved.

"The design required lightness so that the towers would not bog down in the soil as the system moves across a field. Aluminum has enabled us to provide high flotation with a minimum of crop damage Square-Matic also requires less maintenance and is extremely simple to operate," Newbegin said

The machine, moving across a field, can cover a total of 160 acres in eight days at a speed of six inches per minute. The same amount of ground can be covered in 48 hours when the machine is set to run at 24 inches per minute, applying one-half inch of water per minute. If the water requirement for a crop is less than two inches every eight days, then one machine can irrigate more land than 160 acres.

When one 80-acre quadrant of a crop is fully irrigated, the system is easily moved by tractor to the other end of the field. The hose is simply reconnected to the unit and the system is set in motion again until the full 169-acre tract is covered

Special con rols on the water hose tractor regulate the speed of the system and the amount of water released. For example, at a speed of 24 inches per minute, a crop will get one-half inch of water.

Newbegin said Square-Matic is over 93 per cent efficient when there is no wind and even with winds up to 10 miles per hour it is above 90 per cent efficient, as compared to the typical efficiency of 70 per cent for existing irrigation systems.

"This increase in efficiency means substantially better water conservation for the farmer," Mr. Newbegin said.

The water hose tractor is kept on a straight course by a steel cable and propelled by a winch which winds in the cable as the tractor moves along.

"This is an entirely new concept in sprinkler irrigation systems and we envision an entire series of such machines to fit soil conditions and field sizes," Newbegin said.

Thirty-three lengths of aluminum irrigation pipe supplied by Reynolds Metals Company are used in 40-foot sections in Square-Matic.

Help Us Serve You

If your organization didn't make our farm calendar this week, it's not because we don't like you or your organization.

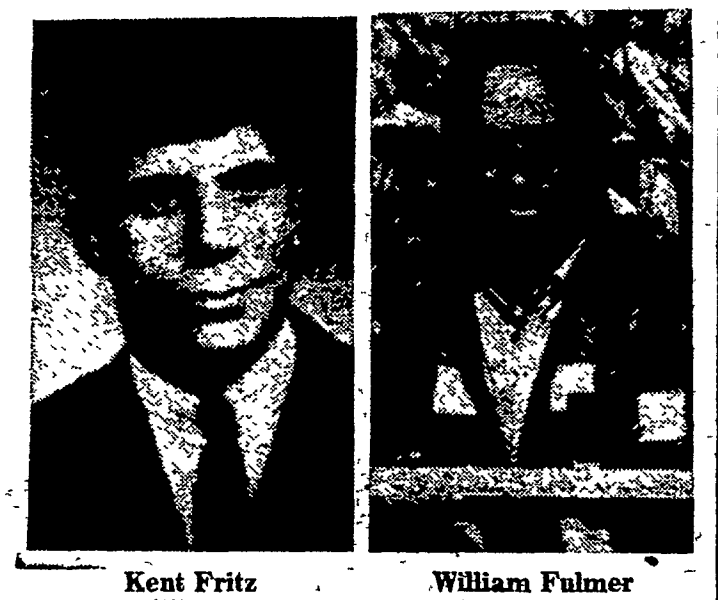
We may have missed it in the rush. Or maybe you for got to tell us.

Either way, we'd like to extend our farm community service to you.

To get on the Farm Calendar, remind us by calling 394-3047 or 626-2191 or by writing to Lancaster Farming, 22 E. Main St, Lititz, Pa. 17543. And help us serve you better.

MUNCY CHIEF HYBRIDS

ALL TIME CHAMPIONS



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Purina Dairy Conditioner Special can prepare cows for good production at low cost

If you're not among the many good local dairymen who have started mixing Purina Dairy Conditioner is a 16 percent your own grain to build a research-proved dry cow ration, it can pay you to check into this low-cost way of feeding dry cows.

Purina Dairy Conditioner Special with protein ration, fortified with extra Vitamins A and D plus phosphorus to help guard against milk fever.

To help you save on dry cow feeding, Purina Research recommends varying feeding levels, depending on cow condition and your roughages are of excellent For example, if a cow is in good condition and the quality of your roughages. quality, you would feed less Purina dry cow ration than if the cow were in only fair condition and if the roughages were of only fair quality.

Using Purina Check-R-Mix* formulas we can build you a low-cost dry cow ration, combining Purina Dairy Conditioner with your grain. Or, if you're feeding low-protein roughages, it may pay you to feed Dairy Conditioner "straight" — just as it comes from the bag.

More and more successful area dairymen are proving that good dry cow feeding pay off in 1,000 to 2.000 pounds of extra extra milk production in the next lactation. For example, 100 to 200 pounds of additional body weight at freshening can pays off in extra cow condition — and milk during the lactation.

Drop in soon and get your free copy of the Purina Dry Cow Program folder. We'll be glad to point out how Purina pare your dry cows for good production Dairy Conditioner Special can help pre- at low cost.

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PURINA CHOWS

LANCASTER COUNTY DHIA MONTHLY REPORT

A Registered Holstein cow owned by Ralph Myer & Sons, RD2, Manheim, completed the highest 305 day lactation. Kitty produced 24,303 pounds of milk, 962 pounds of butterfat with a 4.0 per cent test. Second high lactation was completed by a Registered Holstein cow owned by J. Mowery Frey Jr., Beaver Valley Pike, Lancaster. Rae produced 19,508 pounds of milk, 941 pounds of butterfat with a 4.8 per cent test in 305 days.

The herd of John P. Lapp, RD1, South Groffdale Road, Leola, had the highest daily butterfat average. This herd of 29.9 Registered and Grade Holstein cows averaged 53.5 pounds of milk, 2.06 pounds of butterfat with a 3.9 per cent test. The herd of Curtis E. Akers, RD1, Quarryville, placed second. This herd of 37.4 Registered and Grade Holstein cows averaged 50.8 pounds of milk, 2.01 pounds of butterfat with a 4.0 per cent test.

FIRST 305 DAYS OF LACTATION WITH 650 OR MORE POUNDS OF BUTTERFAT

Owner - Name	Breed	Age	Days	Milk	Test	Fat
Ralph Myer & Sons						
Kitty	RH	7-1	305	24,303	4 0	962
J. Mowery Frey Jr.						
Rae	RH	10-5	305	19,508	4 8	941
Lady	RH	9-1	305	18,161	4 5	821
Dewdrop	RH	8-9	305	20,326	3.8	765
Nelson E. Martin						
Misty	RH	6-2	287	22,971	3 9	894
Ann	RH	8-3	305	19,754	4.1	815
Brenda	RH	3-6	305	19,925	3.4	680
Henry B. Leaman						
Hinky	GrH	4-1	305	19,068	4.6	876
Kenneth L. Beiler						
Sandra	RH	6-11	305	21,803	4.0	875
Whitey	RH	3-10	305	21,437	4.0	867
Rosie	RH	3-8	295	17,003	4.1	705
Ernest J. Sauder						
Rema	RH	3-3	305	20,539	4.2	864
Furry H. Frey						
Posch	RH	6-10	305	22,458	3.8	862
Clara	RH	6-1	305	22,661	3.4	777
Tillie	RH	6-5	305	19,304	3.7	716
Blackie	RH	9-7	305	17,566	4.0	710
Samuel F. Long						
Sunny	RH	5-2	285	18,861	4.5	855
Harry G. Kreider						
Marleis	RH	12-1	305	20,985	4.1	853
Echo	RH	6-6	305	18,402	3.9	726
Amos B. Lapp						
Abbot	RH	3-3	305	22,507	3.8	849
Romana	RH	3-2	305	15,375	4.3	661
Nathan G. Stoltzfus						
Polly	RH	5-3	305	16,062	5.2	831
Lloyd Wolf						
Carnot	RH	9-2	305	18,917	4.4	829
John S. Yost						
Holly	RH	5-1	305	17,367	4.7	822
Robert C. Groff						
Jan	RH	8-1	305	19,597	4.2	818
Abegale	RH	7-0	305	17,194	4.1	698
Dale E. Hiestand						
Judy	RH	4-10	305	20,076	4.0	813
John M. Harnish						
Carol	GrH	6-9	305	24,019	3.4	808
Clove	RH	8-1	300	17,730	4.2	744
Lilly	RH	4-2	305	20,460	3.6	730
Robert H Kauffman						
Betsy	RH	4-6	305	18,637	4.3	802
J. Floyd Kreider						
Marion	RH	4-4	305	19,200	4.1	791
Roy H. & Ruth H. Book						
Alice	RH	4-4	305	18,820	4 2	789
Cedar Fringed Farm						
Marie	RG	7-4	305	15,390	5.1	788
Clair M. Hershey						
Jule	RH	6-9	305	18,682	4 2	779
Barbie	RH	5-3	305	19,463	3 9	754
Paul S. Horning						
Charlot	GrH	3-1	305	18,606	4 2	778
Clarence M. Murry						
Lila	RH	4-8	305	19,623	3 9	775
Earl Smoker						
Whitie	RH	5-10	305	22,319	3 5	771
Audry	RH	4-3	305	19,568	3.8	737
Dawn	RH	4-7	305	20,362	3.4	684
Dan S. Stoltzfus						
Sally	GrH	5 9	305	19,561	3.9	767
Paul B. Zimmerman						
Janet	RH	10-9	305	21,594	3.5	764
Rose	RH	8-1	305	18,680	3.9	728
Rusty	RH	8-7	305	14,839	4.7	691
Ida	RH	3-3	278	14,763	4.7	689
Nathan E. Stoltzfus						
Roma	RH	7-1	305	18,599	4 0	753
Geraldn	RH	3-6	305	17,672	4.2	744
Darky	GrH	5-5	302	16,194	4.2	687
N. Gerhart & L. W. Nolt						
21	GrH	3-4	305	18,491	4.1	753
1	GrH	7-4	305	16,192	4.1	665
Lester M. Hawthorne						
Rebinda	RH	4-3	305	18,881	4.0	748
Earl E. Martin						
Mary	RH	8-1	305	17,822	4 2	748
Pat	RH	7-3	305	20,507	3.6	736
S. R. Shellenberger						
Bess	RH	6-2	305	20,744	3.6	747
Fluff	RH	9-1	292	19,236	3.8	740
Pride	GrH	7-5	284	17,830	3.9	691
Sharon	GrH	5-5	305	16,249	4 2	675
Sandy	RH	4-9	305	17,374	3 9	670
Harry S. Mumma						
Angel	RH	4-8	305	20,357	3.6	738
Harry S. Aungst						
Dianne	RH	6-7	305	19,557	3 7	730
Patty	RH	4-4	305	16,518	4 4	725
Martin H Good						
Helen	RH	3-7	305	18,351	4 0	729
Posch	RH	4-7	305	16,773	3.9	659
Vernon K Beiler						
32	GrH	6-2	305	16,465	4 4	729
Marvin K. Witmer						
Marvel	RH	6-1	305	19,088	3 8	723
P. Robert Wenger						
Marlene	RH	8-8	305	17,052	4 2	722
Marla	RH	7-7	305	18,650	3 6	664
George R. Baltozer						
3	GrH	5-3	289	17,876	4 0	720
Aaron B. Weaver						
Olisa	RH	7-2	305	19,610	3.7	719
Jonas E. Zook						
Susan	RH	6-3	290	19,345	3 7	719
Sally	RH	7-11	305	16,853	4 3	719
Charles Lefever						
22	RH	4-2	305	17,482	4 1	716
Melvin L. Beiler						
Star	RH	4-4	305	17,567	4 1	714
Splash	RH	9-1	303	17,226	3 9	667
Carl L. Martin						
Dixie	RH	7-3	305	18,890	3 8	710
Parke H. Ranck						
May	RH	4-2	305	12,912	5 5	706
Ruth	RH	4-2	305	17,386	3 8	659
John A. Harsh						
Yodie	RH	6-2	305	17,181	4 1	704
Allen Lee Stoltzfus						
Gay	RH	5-0	305	16,956	4 1	702
Mrs Dorothy Chapman						
Winter	GrH	3-9	305	16,283	4 3	702
Kreider & Kauffman						
Kimbely	GrH	6-1	305	17,590	4 0	701
Harold M. Shenk						
N. Y	RH	4-9	305	21,478	3 3	700
J. Clayton Charles						
Rose	GrH	4-4	283	18,395	3 8	699
Patches	RH	8-4	305	18,908	3 5	654
Maurice F. Welk						
Ida	GrH	10-6	297	13,808	5 1	698
Carol	GrH	6-4	298	17,699	3 7	662
Belle	GrH	4-0	305	18,676	3 5	655
Paul E. Martin						
Hope	GrH	4-10	297	16,541	4 2	697
Marvin S. Nolt						
19	RH	7-5	305	16,421	4.2	696
H. Richard Hershey						
Gem	RH	6-0	305	17,413	4.0	693
Jennie	RH	7-6	305	16,997	4.0	677
Paul V. Nissley						
Dimple	GrH	8-5	305	16,899	4.1	693
Mervin Nissley						
3	GrH	3-2	305	19,445	3.6	692
8	RH	8-5	305	17,964	3.7	659
Christian K. Lapp						
Princes	RH	4-11	305	19,073	3.6	692
Canary	RH	5-0	305	17,052	4.0	685
Kenneth E. Zurin						
Ruth	RH	7-0	305	19,655	3.5	691
John Omar Stoltzfus						
Reroyal	RH	6-0	301	19,347	3.6	691
Peggy	RH	5-11	305	18,253	3.7	682
Titus B. Stoner						
Norma	RH	4-4	285	17,840	3.9	691
Paul N. Brubaker						
66	RH	9-10	305	17,251	4.0	691
John U. Stoltzfus						
Ma	GrH	9-6	305	17,926	3 8	690
John O. Stoltzfus						
Reflect	RH	8-3	305	14,779	4.7	690
Samuel M. Martin Jr.						
Ella	GrH	3-9	305	17,834	3.9	689
Ben K. Stoltzfus						
17	RH	8-10	255	18,188	3 8	685
27	GrH	4-2	305	20,159	3 3	666
Linda 34	GrH	4-2	305	21,766	3 0	661
John C. Metzler						
Susan	RH	10-2	305	16,937	4.0	684
Echo	RH	8-10	305	17,521	3 8	670
Albert H Mellinger						
Minie	RH	5-5	305	15,154	4 5	684
Clyde W. Martin						
Lil	RH	6-3	305	16,864	4 0	682
Amos M. Stoltzfus						
Gladys	RH	5-2	305	19,562	3 5	681
Edwin J. Landis						
Bonnie	GrH	7-1	305	17,174	4.0	681
Earl S. Weaver						
June	GrH	5-0	305	13,960	4 9	679
Robert L. Weaver						
Ethel	RH	10-6	305	18,673	3 6	678
John M. Smucker						
Dina	RH	6-3	305	16,938	4.0	678
John N. Landis						
Judy	RG	4-9	305	15,512	4 4	678
Holliho	RG	5-2	305	11,638	5.7	666
Ellis R. Denlinger						
Martha	RH	5-11	300	16,288	4 2	676
Amos E. King Jr.						
Sharon	RH	5-8	276	20.639	3.3	674
David L. Landis						
Daisy	RH	6-5	286	16,064	4.2	673
Willis M. Martin						
Alta	GrH	3-4	305	16,104	4.2	671
Isaac M Brubaker						
Jeni	RH	6-3	305	17,833	3.8	670
Benuel F. Stoltzfus						
Blackie	GrH	4-3	305	16,989	3.9	670
Donald S. Eby						
Jasper	RH	3-2	305	16,022	4 2	670
Albert E. Fry						
Delight	RH	4-6	305	19,175	3.5	669
Henry & Paul Martin						
Bertha	RH	7-8	305	18,970	3.5	669
Ezra M. Martin						
Joyce	RH	3-3	305	17,850	3.7	668
Jane	RH	4-7	305	17,928	3.8	676
Frank J. Yost						
Carı	RH	8 4	305	17,256	3.9	668
Jo	RH	9-11	304	14,753	4 5	661
Ellis D Kreider						
R 2	GrH	6 3	305	18,451	3.6	667

(Continued on Page 38)

Facts Dairymen Should Know

By Max Smith
Lancaster County Agent

1970 Production Testing Figures

The Pennsylvania Dairy Herd Improvement Association closed the 1969-1970 test year with 3,685 full year herds on either DHIR, DHIA or AM/PM testing.

The production per cow for 169,202 cows was 12,923 pounds of milk and 497 pounds of milkfat. This is an increase of 200 pounds of milk and five pounds of fat over last year

While there were almost 100 fewer herds on test, the number of cows per herd increased enough (from 44 3 cows per herd to 45 9) to provide a net gain of about 2,000 cows in the program.

There were 203 herds on DHIR 2,602 herds on DHIA test and 880 herds on the AM/PM plan of testing

It is also of interest that 36,640 cows in 1,037 herds finished a full year on Owner-Sampler testing and averaged 12,515 pounds of milk and 475 pounds of fat per cow.

More Milk From Fewer Cows

Pennsylvania dairymen produced more milk than ever before during October 1970 as 578 million pounds was a record high for the month. This was true even though there was a two per cent decline in the number of cows as compared to the same month last year. (716,000 cows in October, 1969 and 709,000 cows in October, 1970).

More milk from fewer cows means more profitable production. This added production efficiency and the higher blend prices for milk has resulted in a profitable dairy situation on most Pennsylvania dairy farms.

The only dark cloud on the horizon is the continuous decline in fluid milk consumption.

Dairymen have found a marketing system that has resulted in a favorable price for milk. Dairymen must find a way to sell fluid milk to consumers

No matter how efficiently milk is produced or how fairly it is priced, it must ultimately be sold to consumers. Promoting fluid milk sales is a producer responsibility as no one else gains more than the producer when Class I sales are increased.

Mixed Prospect Seen For 1971 Agriculture

The agricultural situation during the next 12 months may differ somewhat from the pattern of the past two years.

Output of livestock and livestock products, already on a strong upswing, is expected to continue large at least through this first half of the year It is possible that prices could ease further.

In the crop sector, however, supplies appear to be in relatively close balance with needs, and prices — particularly for grains and soybeans — have been strong this fall. Farmers in Pennsylvania generally market grain through their livestock and may not gain from higher prices paid for grains.

Demand for farm products has been strong through 1970 and prospects indicate that demand will be stronger in 1971 — increasing as the economy slowly improves Personal income gains next year will probably

(Continued on Page 38)

DHIA MONTHLY REPORT

(Continued from Page 37)

Owner - Name	Breed	Age	Days	Milk	Test	Fat
Hiram S. Aungst						
Ivy	RH	7-4	305	18,025	3 7	664
Ivan Zook						
31	GrH	5-2	305	17,423	3 8	664
Aaron S. Glick & Sons						
103	RH	4-11	305	17,233	3 9	664
88	RH	6-0	305	16,850	3 9	657
James F. Myer						
Reba	RH	6-4	305	16,143	4.1	664
Andrew G Miller						
Trixy	RH	7-2	305	18,243	3.6	663
Isaac M Horst						
6	GrH	6-3	289	16,672	4 0	660
W. P. & J. B. Bucher						
Lori	GrH	8-2	305	16,428	4.0	659
Jonas S Nolt						
Molly	RH	10-9	303	17,130	3 8	658
Elmer N. Hershey						
Debby	RH	10-7	305	15,600	4 2	658
Red Rose Research Center						
Whitie	RH	3-11	305	17,036	3 9	656
Reid & Holloway						
57	GrH	3-3	305	15,826	4 1	656
B F & Mary Eshelman						
87 Spark	RH	4 8	305	16,720	3 9	655
C Witmer Sherer						
Gail	RH	5-4	305	16,130	4.1	654
John U Lapp						
Jess	RH	7-4	282	15,200	4 3	654
Isaac S. Lantz						
Pat	RH	10-0	305	15,052	4 3	654
James G Kreider						
Kathy	RH	5-11	305	16,543	3 9	652
Noah Kreider & Sons						
110	GrH	5 0	305	15,436	4.2	651
J Arthur Rohrer & Sons						
Maggie	GrH	3-5	303	19,464	3 3	650
A. Dale Herr (Holstein)						
H 100	RH	5-3	305	16,532	3.9	650

HIGH DAILY BUTTERFAT AVERAGES

Name	Breed	Days On Test	No. Cows	% Cow Days In Milk	Milk Lbs.	% Test	Fat Lbs.
John P Lapp	R&GrH	26	29 9	100 1	53 5	3 9	2 06
Curtis E. Akers	R&GrH	34	37 4	92.1	50 8	4.0	2 01
David L Landis	R&GrH	29	30 1	89 9	44 9	4.1	1 83
Rufus G Martin	RH	33	23 0	87 6	48 8	3.8	1 83
Allan R Shoemaker	R&GrH	3	42 0	96 0	45 1	3 9	1 76
Glenn S Weber	R&GrH	30	29 4	88 9	45 5	3 8	1 74
J. Mowery Frey	R&GrH	28	37.4	86 5	43 5	4.0	1 73
Allen Lee Stoltzfus	RH	29	34.1	84 1	43.8	3.9	1 72
Titus B. Stoner	R&GrH	30	31 1	94.2	49.0	3 5	1.72
John N. Shirk	R&GrH	31	29.3	85 9	46.5	3.7	1 71
Robert F & Joan B. Book	RH	19	44 0	89 1	41 5	4 1	1 71
Marvin K. Witmer	R&GrH	28	27 2	92 5	45 3	3 7	1 67
Elmer & C. N Hershey	R&GrH	30	29 2	92 3	43 3	3 8	1 66
Emanuel S Smucker	R&GrH	33	32 9	83 5	43 6	3 8	1 66
Robert L. Weaver	R&GrH	27	31 1	87 0	41 6	4 0	1 66

Facts Dairymen Should Know

(Continued from Page 37)

not be as great as in 1970, but consumer attitudes toward food prices could be more favorable than they have been in 1970

Gross farm income in the first half of 1971 may ease below a year earlier by one-half to one billion dollars nationally. Pennsylvania's receipts in the first half should be near the $518 3 million of 1970; reduced receipts from hogs will be more than offset by strong prices for milk.

Alfalfa Weevil Control In 1971

Damage from the alfalfa weevil in Pennsylvania reached a peak about five years ago. During the past two seasons, damage has been comparatively low in most fields, with little need for spray protection.

However, a few widely scattered fields were still severely damaged.

On a statewide basis, the weevil population was slightly higher in 1970 than the year before What this means for 1971 is uncertain. But considering what has happene to the weevil population over the past few years, damage is expected to remain at about the same level as experienced in 1970

There is a strong possibility that most fields of alfalfa can be harvested before severe damage occurs. Therefore, it seems advisable to "wait and see" what develops before starting any alfalfa weevil control program.

Some fields will need spray protection on the first crop; but on these fields, delay the insecticide application until 75 per cent of the plants show slight feeding damage at the tips.

Keep a close check on all alfalfa stubble after the first cutting. There is a good possibility that stubble may need treatment to protect new growth of the second crop

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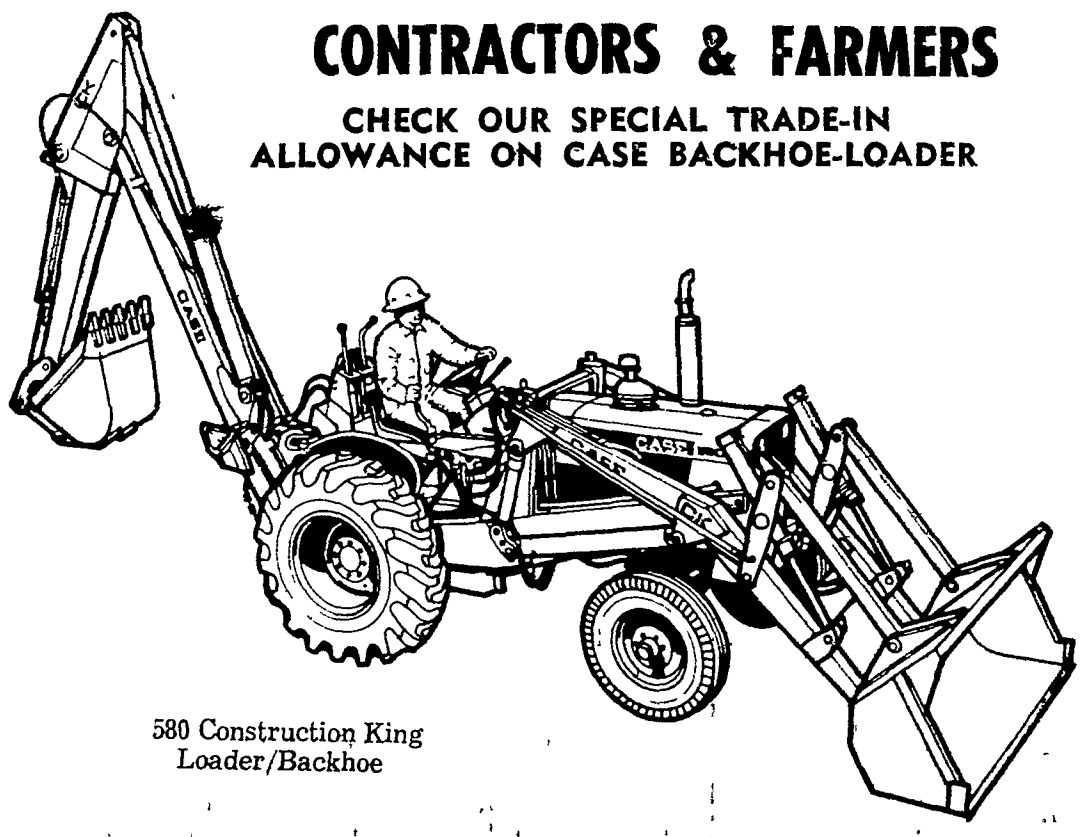

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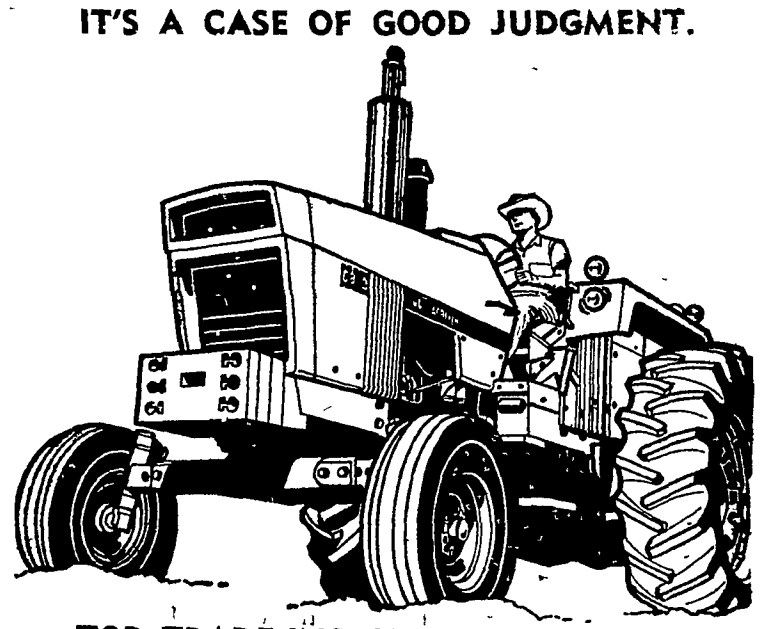

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Middlemen Hit for High

(Continued from Page 35)

and one-half to three cents a pound for whole potatoes and the cost at the supermarket for instant mashed potatoes is around 74 cents a pound. According to the United States Department of Agriculture figures, the difference between farm value and retail continues to grow, increasing more than 20 per cent in the last 10 years.

A brochure of farm facts published by New Holland, the farm equipment division of Sperry Rand Corporation, states, "In spite of the fact that modern American farmers are the world's most productive and efficient food producers, they've been caught in a squeeze between rising operating costs and declining wholesale farm produce prices."

According to USDA figures for the first quarter of 1970, the farmer averages $1 29 per hour for work performed — compared with $3 30 per hour for the average production worker and $2 96 for a food market employee

Farmers' incomes have improved, but today the average farmer still earns only three-fourths as much as his off-farm counterpart. How have they kept going?

According to Under Secretary of Agriculture J. Phil Campbell, "by borrowing more and more against rising land values to buy machinery and supplies, to expand their businesses, to send their kids to school, and to meet living expenses."

So far, a fair share in the rising costs of food seems to be eluding them. As a Pittsburgh housewife put it, "I think the farmer is being robbed and the consumer is being robbed."

Help Us Serve You

Is your farm organization's meetings making our farm calendar? If they're not and you think they should, let us know.

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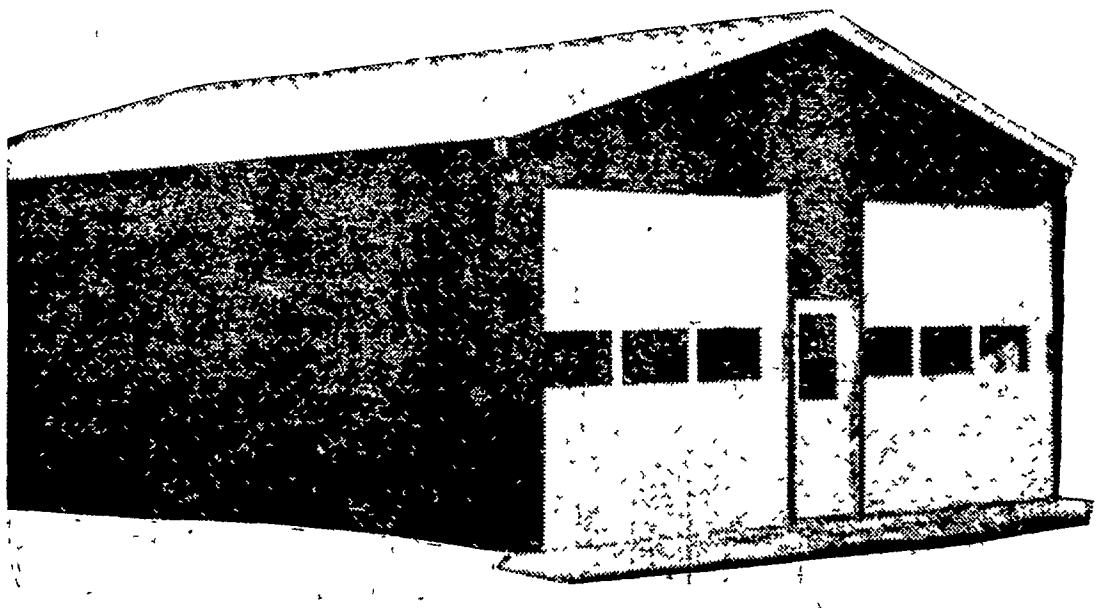

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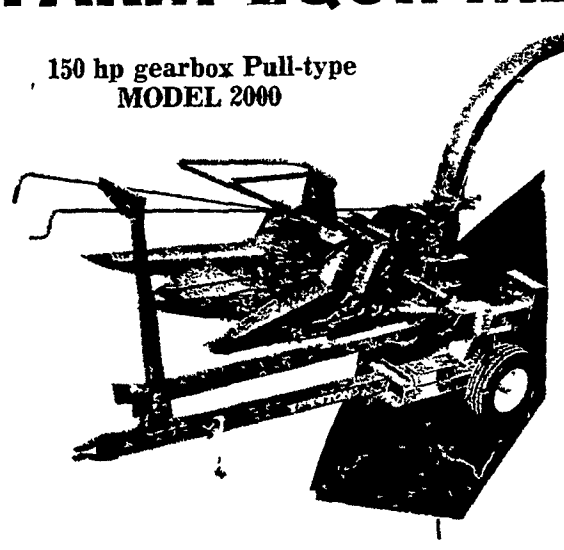

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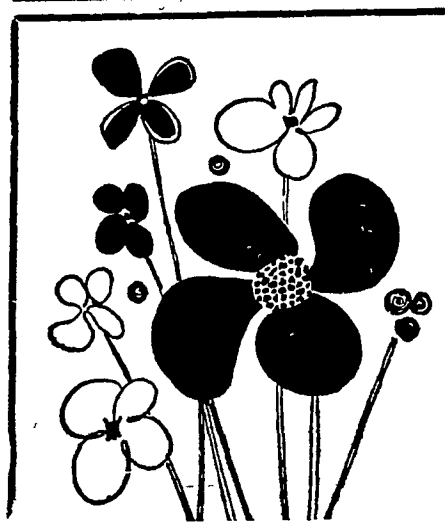

FOR THE FARM WIFE AND FAMILY

By Mrs. Richard C. Spence

If your food budget has gone to "pot" because of the holiday festivities, you're probably looking for some easy way to salvage it and also serve some appetizing meals to your family.

Leftovers can perk up an ailing food budget — and perk up meals, too. Leftovers don't have to be so unappealing you'd rather throw them away than use them. A bit of easy menu magic can add a fresh taste and even appetite-appeal.

If leftover cooked vegetables look like a gloomy prospect to you — take another look. Mix them with raw fresh ones, such as cucumber or carrot slices, chopped celery, tomatoes, green pepper or shredded cabbage; top with a zesty dressing.

Did you cook too many potatoes? Simply use the extras in a tasty potato salad, or pan-fry them, or bake them in a cheese sauce for quick and easy potatoes au gratin.

If you have extra cooked carrots, peas or corn, mix them for a delicious vegetable casserole, or add flavor to a meat soup or stew.

You can easily rejuvenate leftover cooked fruits. Try them with small cream cheese balls, or grated cheese; or add a banana and sprinkle with plain or toasted coconut. Add a mixture to your next gelatin salad; or thicken the sauce and use the fruit as an ice cream topping or, depending on the fruit, as a topping for hot gingerbread.

Meat is too expensive to throw away even a scrap. Top a tossed salad with cut strips of leftover ham, chicken, pork or veal; add some cheese strips or sliced hard-cooked egg and you have a chef's salad fit for the fussiest chef.

Omelets make a perfect envelope for leftover small amounts of meat or vegetables.

It's easy to put together a colorful, meal-in-one-casserole with leftover meats and vegetables Noodles or macaroni or fried noodles add bulk and for a quick and tasty sauce, use a convenient can of tomato, mushroom or celery soup.

Cold roast beef is a familiar standby for sandwiches or a cold salad plate, but don't overlook leftover pork roast either. It's excellent for chop suey, sweet and sour pork or sandwiches Grandmother used to "frizzle" or fry leftover ham slices for breakfast; it's still a delightful accompaniment for breakfast eggs or pancakes. In fact, ham goes so well with such a variety of vegetables or salads, you may want to bake a large one just for the leftovers.

Why not take a look through your cookbook to discover new uses for leftovers. They can really cut cooking chores, save on the food bill and, just as important, be a flavor treat. Who said there's nothing duller than yesterday's dinner warmed over today?

To start you off on leftover treats, here is a recipe which uses ham, eggs, and potatoes.

HAM, EGG, POTATO BAKE

White Sauce:

- **1 or 2 tablespoons butter or margarine, as desired**
- **2 tablespoons flour**
- **½ teaspoon salt**
- **⅛ teaspoon pepper**
- **2 cups milk**
- **1 tablespoon parsley, chopped**

Ham Mixture:

- **2 medium-size potatoes**
- **2 or 4 eggs, hard-cooked, sliced, as desired**
- **2 cups ham, cooked, diced**
- **⅓ cup bread crumbs, fine dry**
- **1 tablespoon butter or margarine, melted**

Melt butter; blend in flour, salt, and pepper. Stir in milk slowly Cook over moderate heat, stirring constantly, until thickened Remove from heat. Add parsley. Place alternate layers of potatoes, eggs, and ham in casserole. Pour sauce over the top. Mix bread crumbs with melted butter. Sprinkle over the ham mixture Bake about 25 minutes in a 375 degree oven Makes 6 servings

HAM PATTIES

- **2 cups ground cooked ham**
- **1 cup mashed potatoes**
- **1 tablespoon chopped onion**
- **¼ teaspoon dry mustard**
- **¼ teaspoon salt**
- **1 tablespoon milk**
- **1 egg, beaten**
- **½ cup fine dry bread crumbs**
- **3 tablespoons fat or oil**

Combine ground ham, mashed potatoes, onion, mustard, and ¼ teaspoon salt. Chill about 1 hour. Shape into 12 patties. Blend milk into beaten egg. Dip patties in egg mixture and then in crumbs. Fry patties in hot fat until golden brown Makes 6 servings.

(Continued on Page 42)

This sweater dress is wise to the ways of fashion. Tri-color chevron stripes pull in the waist and slightly flare out the skirt. The tiny fitting top has short, set-in sleeves and a ribbed crew neckline. The dress is knitted of sport weight yarn in a misses' size range of 10-16. All in all, it is a gay little gad-about dress for fall. Free instructions are available by sending a self-addressed stamped envelope to this newspaper along with your request for Leaflet PK 4834.

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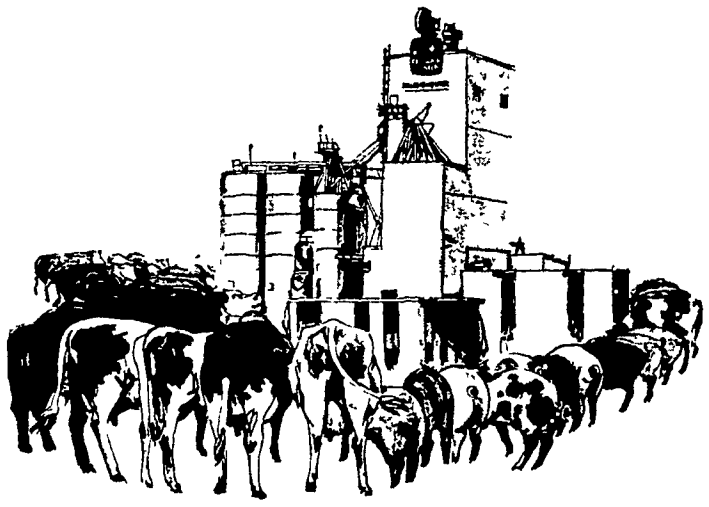

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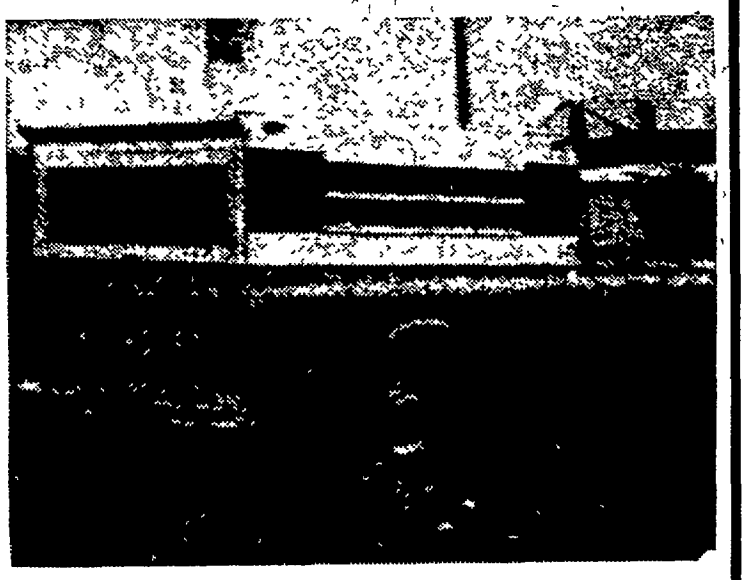

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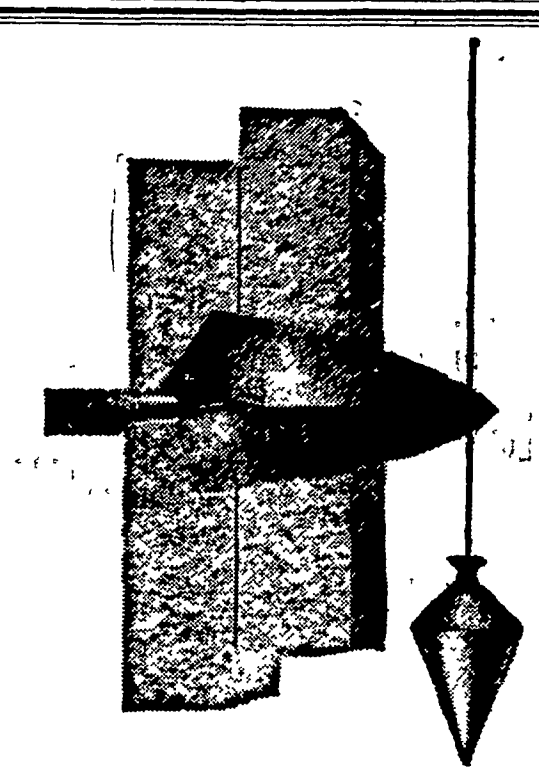

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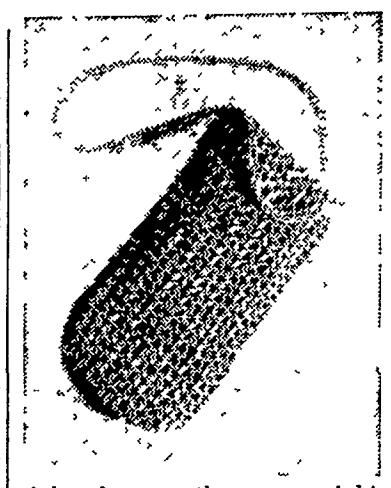


A bag by any other name might be called a reticule. It's an old fashioned tag for a mini bag, but this reticule only goes out with the most modern clothes. The bag measures 4½" x 8". It is crocheted in the V-stitch of cotton yarn and has fabric lining. The flap top is closed by a snap. A dainty metal chain is attached for a handle. Free instructions are available by sending a self-addressed, stamped envelope to the Needlework Editor of this newspaper along with your request for Leaflet PC 4297.

Ladies, Have You Heard? . . .

By Doris Thomas, Extension Home Economist

What Appliances Can't Do

Was there a small electric appliance for you under the Christmas tree?

If so, do you know what it will do and how it operates?

Better yet, do you know what it can't do?

THOMAS

For instance, if your gift was a new blender, it won't whip cream as well as a mixer. New blenders with solid state controls still don't have the container space or the big blades needed. And conventional blenders may not even whip.

Was your gift a hand mixer? Remember that this featherweight is not designed for the heavy mixing which a stand mixer is capable of doing. A stand mixer has precision-fixed beaters and a motor that's 50-to-75 per cent stronger than a hand model.

Did you receive a new electric fry pan that claims it will bake cakes? It will bake, all right, but don't expect the cake to be browned on top It's better to plan to use the fry pan for upside-down cakes or cakes you plan to ice

If there was a steam iron under your tree, its life will be shortened if you tap water It's worth the extra money to buy de-mineralized or distilled water, even if the instructions don't suggest this.

Learn how to use small appliances and don't store them away because you don't know all the tasks they can perform for you Save and use the directions provided by the manufacturer to obtain the best performance from any new appliance.

Diet With Desserts

If you gained an extra pound or two over the holidays, one of the easiest ways to cut down on calories now is to watch the desserts you eat.

Heavy cereal-type desserts such as cake, cookies, and those with whipped cream are "out" for a while They may have more calories than the rest of the meal!

A good dessert has vitamins and minerals in ratio to the calories per serving

One way to keep the calories low and the vitamins and minerals high is to serve flavorful fruit desserts.

For instance, combine fruits that contrast color and sweetness This way the sweeter fruit makes it unnecessary to add more sugar Some attractive combinations might include strawberries and grapefruit sections, seedless grapes and sliced bananas, pineapple and cantaloupe, or pears and oranges

You can increase the amount of vitamins you eat by serving sliced fresh bananas or pineapple in orange juice. It's delicious, and the orange juice keeps the bananas from turning dark

Or, why not try cooking apples in cranberry juice to add new flavor, bright color, and tart sweetness with a minimum of calories. Allow about one-halp cup juice to each cup of prepared apples and you'll have a delicious treat.

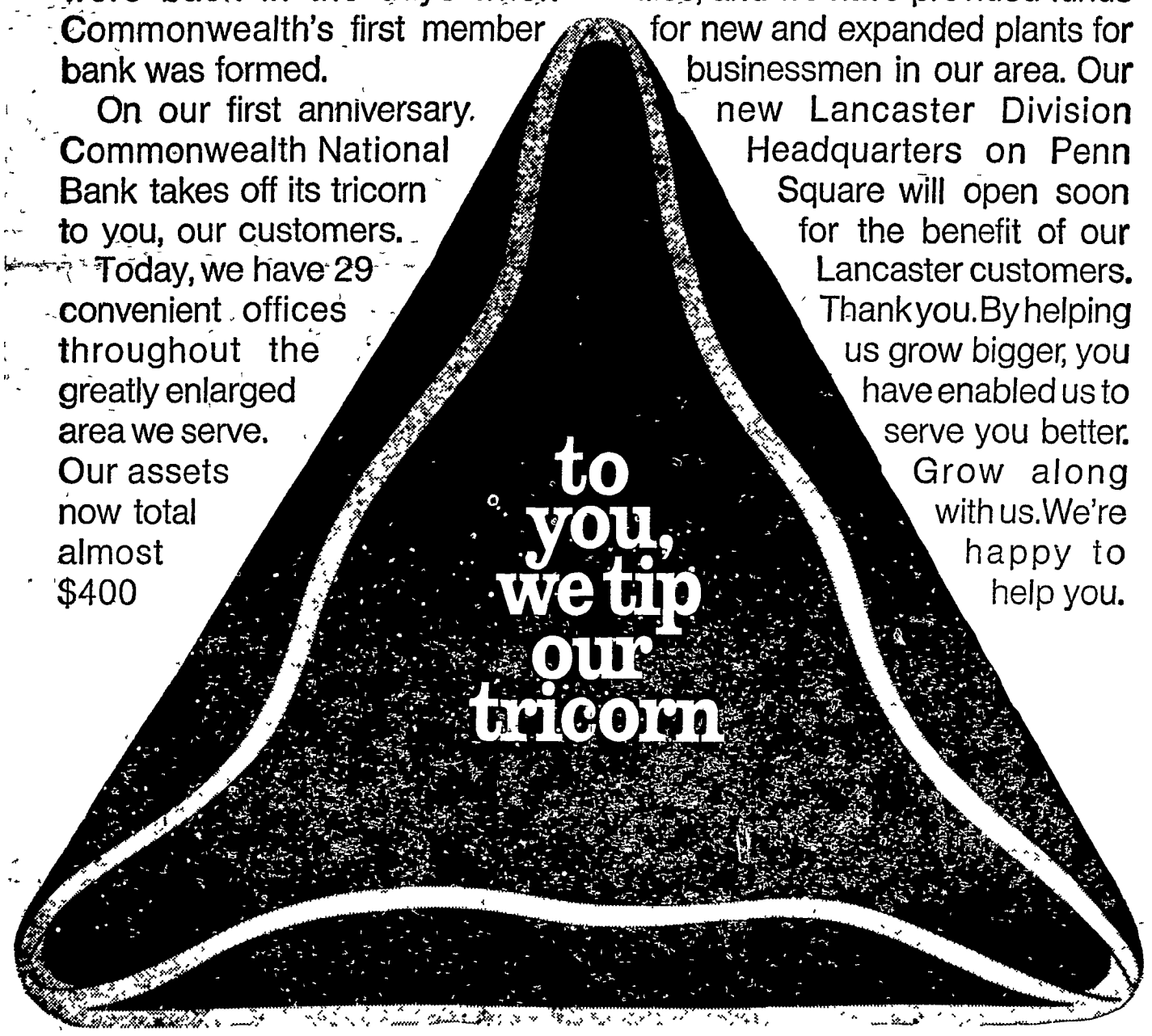
Milk desserts can keep the calories down if you use non-fat dry milk in place of whole milk when preparing them

And if a dessert just doesn't taste right without whipped cream on top, serve whipped dry milk topping instead. It looks just as pretty but it has only a fraction of the calories.

One year ago, Commonwealth National Bank was born. Our symbol—the three-cornered hat (fittingly named the tricorn) that men wore back in the days when Commonwealth's first member bank was formed.

On our first anniversary. Commonwealth National Bank takes off its tricorn to you, our customers.

Today, we have 29 convenient offices throughout the greatly enlarged area we serve. Our assets now total almost $400 million. In the past year, over 30,000 of you have opened new savings and checking accounts. We have financed many new homes for families, and we have provided funds for new and expanded plants for businessmen in our area. Our new Lancaster Division Headquarters on Penn Square will open soon for the benefit of our Lancaster customers. Thank you. By helping us grow bigger, you have enabled us to serve you better. Grow along with us. We're happy to help you.



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Try A Classified — It Pays!

● Ladies, Have You

(Continued from Page 40)

MEDITERRANEAN PORK

- 1 tablespoon margarine
- 1 tablespoon onion, finely chopped
- ½ cup celery, chopped
- 1 package (10-ounce) French-style green beans, frozen
- 2 cups pork, cooked, diced
- 2 cans (10½ ounces each) condensed cream of mushroom soup
- ½ teaspoon oregano
- Pepper, as desired
- 1 tablespoon pimiento, chopped, if desired
- ½ cup roasted peanut halves

Melt margarine in large saucepan Add onion, celery, and beans Cover and place over low heat to thaw beans. Simmer, stirring occasionally, for about 15 minutes until beans are tender. Add remaining ingredients, except nuts. Simmer 10 minutes longer to blend flavors. Stir as needed to prevent sticking Stir in peanuts before serving 6 servings.

COOK LIVER CAREFULLY TO INSURE TENDERNESS — It takes careful attention to cook liver properly. All liver requires slow cooking at a low temperature. Excessive heat will toughen the liver.

Calf liver cooks more quickly than beef, pork, or lamb liver because it is the most tender of the group. Besides the common method of frying liver, it can be braised, stewed, baked or used in a casserole.

Liver is a tender, fine-grained meat. Before cooking, wipe the liver with a damp cloth, but don't hold it under running water. Remove the skin, connective tissue and vein, loosening them with a sharp knife. Then pull them off carefully.

All types of liver are good used in stuffings, loaves, sandwich fillings and dips. Usually the liver is ground or chopped before adding to a mixture. In this way, liver will add flavor and nutritive value to many foods.

Liver is one of the best nutrition buys Because vitamin A is stored in the liver in animals, this meat is an excellent source. Besides vitamin A, liver contains B complex vitamins and iron, as well as other minerals. These nutrients are especially needed during growth periods. Children, teenagers, and expectant mothers all need the nutrients provided by liver.

The prices of the liver varies with the type of liver — beef, pork, lamb, veal or calf. Usually calves liver is in the greatest demand, and therefore it's the highest priced. Allow 1 pound for four servings when purchasing liver. When considering the cost of liver, remember that almost all — 93 per cent — of the liver is edible.

Ida's Notebook

By Ida Risser

Winter brings its own special jobs One of these has traditionally been butchering on the farm.

Sometimes I wonder if it isn't becoming a lost art.

It is a time for cooperation as many hands are needed to finish the job in one day. The skill of meat cutting is often taught by the father to his son. The women help by trimming the bones, stirring the lard and washing those greasy utensils.

Most of my children, when they were younger, were carried into the basement of Grandpa's house to see the sausage being made It was an unusual sight as the casings were filled and the big coils of sausage filled the tub

And don't forget the taste of the warm pressed crackling as the lard was made—even if it was not good for us to eat them.

There is a heavy piece of furniture stained very dark which stands in the corner of our living room It has meant many things to our family As a second hand piano it wouldn't bring much money, but then it isn't for sale.

Our son has reluctantly practiced on it while our three daughters have enjoyed the music it gave them Often it is a respite from duties or just a nice way to relax

My youngest has just learned some new tunes to add to the nursery rhythms which she already knew

I'm sure many families remember happy hours at the piano.

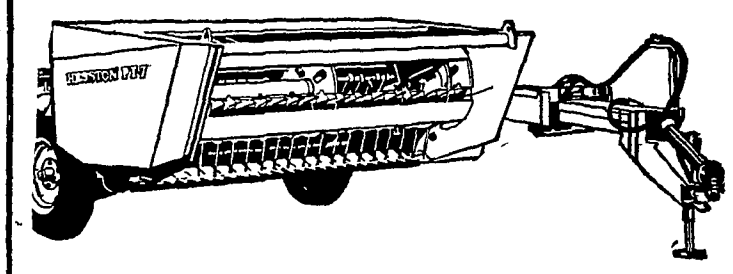
* * *

We are enjoying the products of our garden just now. The freezer is slowly being emptied and the canning shelves are lighter.

By the time spring is here the six hundred quarts will be almost gone and it will be time to plant again.

HESSTON

PT. 7 or PT. 10 WINDROWERS



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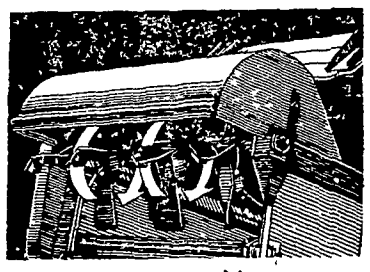

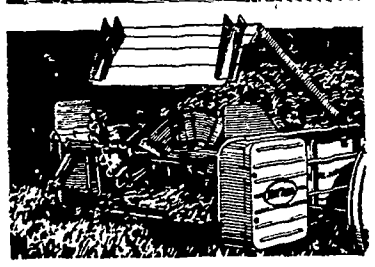

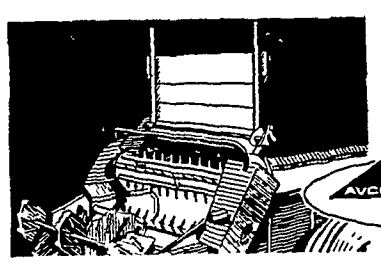

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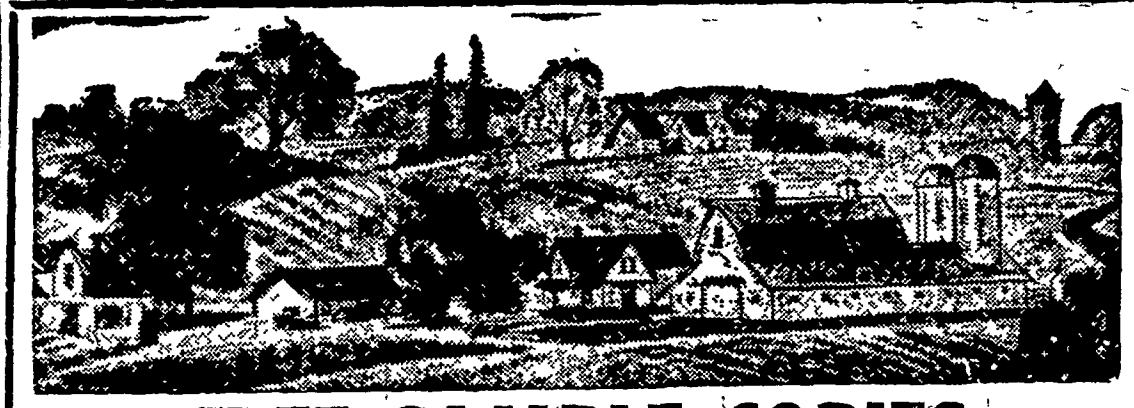

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Farm Women Societies

Society 1

Society of Farm Women 1, met Saturday afternoon at the home of Mrs. Roy Bollinger, Lititz RD4. Devotions were in charge of Mrs. Willis Bucher.

Mrs Graybill Hollinger, president, conducted the meeting. Mrs. Scott Garman, past president, was presented with a gift by Mrs. Franklin Weber.

Five members who had perfect attendance for the year also received gifts They are Mrs Hollinger, Mrs John Newcomer, Mrs. Raymond Newcomer, Mrs J. Clayton Sangrey and Miss Mildred Shreiner.

The following delegates were appointed to attend the State Convention in Harrisburg on January 11 and 12 They are Mrs Hollinger, Mrs Henry Shreiner, Mrs Adrian deVink and Mrs. George Zahn

The speaker was Mrs Garman. She showed slides on "Our British Isles Visit."

Reports were given on the dinner served in December at the Lititz Moravian Home and on a visit to the Conestoga View Home by Mrs Paul Kurtz and Mrs John Newcomer.

The next meeting will be held on Feb. 6 at 6 15 p.m., when members will entertain their husbands at Meadow Hills Dinner House.

Society 4

Farm Women Society 4 recently enjoyed a trip by bus to Christmas Village at Bernville A total of 53 members, husbands and friends participated

Mrs Paul A. Kauffman was in charge of arrangements. Devotions were in charge of Mrs Robert Garber

Mrs Robert Herr's 10 grandchildren sang several Christmas carols after which the entire group joined in Contests were held with token prizes being awarded

The next meeting will be held January 23 at 1:30 p.m. at the Bank Museum in Columbia.

Society 6

An imaginary trip to Old Testament history through "Nicodemus," a monologue by the Rev. William A Groff Jr, was the program feature of the January meeting of the Society of Farm Women 6.

Mrs. Martin Hoffer, 345 College Ave, Elizabethtown, was hostess to the group, assisted by Mrs. Paul Brandt and Mrs. Mae Gantz Mrs Clayton Hollinger was in charge of devotions

The Rev Mr Groff, a native of Columbia, is serving as minister of the First Church of God, Elizabethtown

Mrs Harry G Shonk, Manheim RD2, was inducted as a new member Mrs Martha Eshleman, Mrs Lester Brenaman and Mrs Milton Eberly, president, will represent Society 6 at the State Farm Women Convention at Harrisburg on January 11 and 12 as delegates

Mrs Samuel Myer and Mrs. Ray Hixson, auditors, reported the treasurers account correct. Miss Kathryn Miller, newly elected secretary, took office at this meeting.

During the business meeting, a gift of $25 was sent to the Volunteer Service Bureau of Lancaster

Mrs C R Frey, auction contact, announced the first auction of the year will be held at the February 6 meeting in the home of Mrs Ray Hixson, 401 Snyder Ave, Elizabethtown. Members are requested to bring any miscellaneous item, food, craft or white elephant to be sold for the benefit of the general fund of the group

Society 22

Members of Society of Farm Women 22 held a game party during their January meeting held recently at the home of Mrs Henry Hess, 15 Batt Ave, Willow Street. Mrs William Weller served as co-hostess.

The group was reminded of the antique sale to be held February 25 at the Farm and Home Center

Next meeting of the group will be held February 9 at the home of Mrs. Jay Landis, Lancaster RD6. Mrs Kenneth Hoover will serve as co-hostess Miss Sally Ann Brenneman will present a program entitled, "Bits and Pieces"

Society 23

Mrs Robert Miller, Mrs Paul Keagy and Mrs Robert Rohrer, president of Society of Farm Women 23, will represent the group at the business meeting of the 52nd annual State Convention of Farm Women in Harrisburg on January 12

Mrs Lester Newcomer and Mrs Benjamin Shenk will attend the sessions on Monday, January 11

Appointments were made at a meeting of Society 23 in the home of Mrs Robert Rohrer, Washington Boro RD1 Mrs Milton Funk, in charge of devotions, read a sermon by Dr. Norman Vincent Peale

Mrs. Edgar Funk and Mrs Leroy Funk, ways and means co-chairmen, informed the group that the vanilla and dishcloth sales will be continued as a standing project.

Serving with Mrs Rohrer, president, other officers include Mrs. Harold Hoak, vice president; Mrs Benjamin Shenk, secretary; and Mrs Glenn Burkholder, treasurer.

The next meeting will be held on Jan. 28 at 1 p m in the home of Mrs. Benjamin Shenk, Washington Boro RD1, when a bake sale among members will be featured. A work meeting, sewing cancer pads, is also planned

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Farm Women Calendar

FARM WOMEN CALENDAR

Saturday, January 9

1 30 p m —Farm Women Society 25, home of Mrs Laban Byers, Lancaster RD6

2 p m —Farm Women Society 10, home of Mrs Raymond Dixon, 2349 Middlegreen Court, Lancaster

Farm Women Society 2, home of Mrs Warren Kline, 109 Fruitville Pike, Manheim.

Monday, January 11

10 a m —Society of Farm Women of Pennsylvania 52nd Annual State Convention, Harrisburg

6 p m —State Banquet, Scottish Rite Cathedral

Tuesday, January 12

9 a m —Annual Business Meeting, Farm Show Building.

Thursday, January 14

Farm Women Society 9, Colemanville United Methodist Church Social Room

Farm Women Society 28, White Elephant Sale, home of Mrs. George Eckman Jr, Meadow Lane, Smoketown

Saturday, January 16

1:30 p m —Farm Women Society 18, entertain Society 26 at Farm and Home Center.

2 p m —Farm Women Society 8, home of Mrs Martin Musser Mount Joy

Farm Women Society 3, Twin Pines Social Room, Route 322 West of Ephrata.

Farm Women Society 12, home of Mrs James Frey, Conestoga RD2

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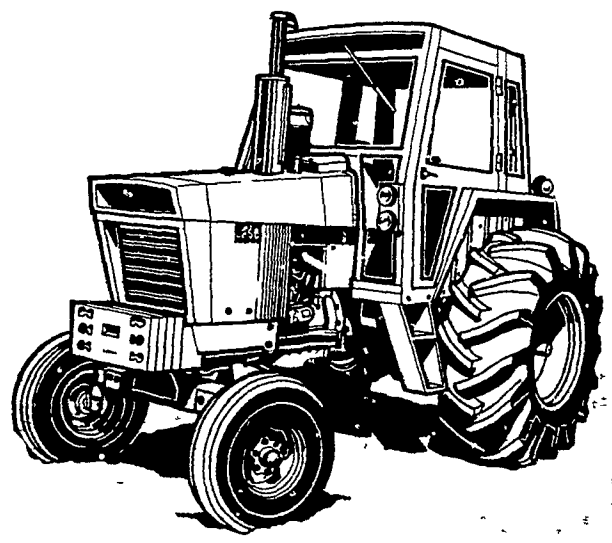

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PLACE: HOLIDAY INN
LOCATION: 1492 LITITZ PIKE AT ROOSEVELT BLVD., LANCASTER, PA.

YOUR SPEAKERS WILL BE

Nick Ferrant, Jr. (Crop Needs) 10:10 A.M. - 11:00 A.M.

Roy McMinn (Profile Programs) 11:00 A.M. - 11:40 A.M.

Lunch

Jess Smith (Feeding Programs) 1:00 P.M. - 1:50 P.M.

Bob Weindel (Summary) 1:50 P.M. - 2:20 P.M.

Dave Wood (Mill Happenings) 2:20 P.M. - 2:30 P.M.

Panel – (All Speakers) 2:30 P.M. - 2:45 P.M.

Adjourn – – – Promptly at 2:45 P.M.

WE INTEND THIS MEETING TO BE THE TYPE THAT
WILL IMPROVE DAIRY FARM OPERATIONS IN 1971
PLEASE PLAN TO ATTEND

CALL FOR AN AGWAY ENTERPRISE SALESMAN

G & G Feed & Supply
872 Mt. Joy Road
Manheim
665-5001

Henry B. Hoover, Inc.
27 N. State St.
Ephrata
733-6593

Lancaster Store
Manheim Pike and
Dillerville Road
Lancaster
394-0541

New Holland Store
219 S. Railroad Ave.
354-2146

Salunga Store
101 Main St.
Salunga, Pa.
898-2248

M. M. Good & Son
R. D. #1
Gordonville
768-3781

Mrs. Jacob L. Kurtz
1160 N Market St.
Elizabethtown
367-5430

Willow Street Store
R. D. #1
Willow Street
464-3521

Quarryville Store
27 E. 4th St.
786-2126

VISIT US AT THE AGWAY BOOTH AT THE FARM SHOW